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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:52:59 ; Search time 10.9268 Seconds

(without alignments)
33.073 Million cell updates/sec

Title: US-09-910-582b-2

Perfect score: 44

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Scoring table: BLOSUM62

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Total number of hits satisfying chosen parameters: 389414

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	38	86.4	502	US-09-489-039A-13376	Sequence 13376, A
3	36	81.8	146	US-09-621-976-6871	Sequence 6871, Ap
4	36	81.8	1318	US-09-540-235-3623	Sequence 3623, Ap
5	35	79.5	723	US-09-328-352-7106	Sequence 7106, Ap
6	35	79.5	853	US-09-489-039A-8500	Sequence 8500, Ap
7	34	77.3	73	US-09-540-235-3484	Sequence 3484, Ap
8	34	77.3	188	US-09-328-352-7896	Sequence 7896, Ap
9	34	77.3	559	US-09-489-039A-9319	Sequence 9319, Ap
10	33	75.0	148	US-09-489-039A-10125	Sequence 10125, A
11	33	75.0	170	US-09-439-554-18	Sequence 18, Appl
12	33	75.0	241	US-09-198-452A-1044	Sequence 1044, Ap
13	33	75.0	263	US-09-134-001C-4512	Sequence 4512, Ap
14	33	75.0	298	US-09-489-039A-13636	Sequence 13636, A
15	33	75.0	301	US-09-522-714-14	Sequence 14, Appl
16	33	75.0	305	US-09-178-610-6	Sequence 6, Appl
17	33	75.0	317	US-08-619-362A-8	Sequence 8, Appl
18	33	75.0	317	US-08-790-572-3	Sequence 3, Appl
19	33	75.0	317	US-09-213-398-3	Sequence 3, Appl
20	33	75.0	318	US-08-619-362A-9	Sequence 9, Appl
21	33	75.0	340	US-08-790-572-1	Sequence 1, Appl
22	33	75.0	340	US-09-213-398-1	Sequence 1, Appl
23	33	75.0	342	US-09-149-476-695	Sequence 695, Appl
24	33	75.0	358	US-09-151-771B-8	Sequence 8, Appl
25	33	75.0	358	US-09-151-771B-9	Sequence 9, Appl
26	33	75.0	359	US-09-154-750A-30	Sequence 30, Appl
27	33	75.0	360	US-09-489-039A-9981	Sequence 9981, Ap

28	33	75.0	378	US-09-638-937-14	Sequence 14, Appl
29	33	75.0	380	US-09-638-937-11	Sequence 11, Appl
30	33	75.0	382	US-08-872-302-2	Sequence 2, Appl
31	33	75.0	396	US-09-489-039A-9480	Sequence 9480, Ap
32	33	75.0	435	US-09-489-039A-13740	Sequence 13740, A
33	33	75.0	503	US-09-252-991A-32663	Sequence 32663, A
34	33	75.0	606	US-09-041-236-4	Sequence 4, Appl
35	33	75.0	606	US-09-771-467C-4	Sequence 4, Appl
36	33	75.0	816	US-09-252-991A-28790	Sequence 28790, A
37	32	72.7	81	US-09-134-001C-3196	Sequence 3196, Ap
38	32	72.7	168	US-09-489-039A-8722	Sequence 8722, Ap
39	32	72.7	291	US-09-362-831-4	Sequence 4, Appl
40	32	72.7	347	US-09-543-681A-7285	Sequence 7285, Ap
41	32	72.7	354	US-09-489-039A-7771	Sequence 7771, Ap
42	32	72.7	389	US-07-939-501A-1	Sequence 1, Appl
43	32	72.7	389	US-08-448-398-7	Sequence 7, Appl
44	32	72.7	405	US-09-134-000C-5472	Sequence 5472, Ap
45	32	72.7	423	US-07-939-501A-10	Sequence 10, Appl

ALIGNMENTS

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RESULT 1
US-09-326-718-2
Sequence 2, Application US/09326718
Patent No. 6303573
GENERAL INFORMATION:
APPLICANT: Kuehnel, Erkki
TITLE OF INVENTION: Heart Homing Peptides and Methods of
FILE REFERENCE: P-LJ 3512
CURRENT APPLICATION NUMBER: US/09/326,718
CURRENT FILING DATE: 1999-06-07
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 7
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic construct
US-09-326-718-2
Query Match 100.0%; Score 44; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 38+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGGVFWQ 7
Db 1 GGGVFWQ 7
RESULT 2
US-09-489-039A-13376
Sequence 13376, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
FILE REFERENCE: 2709,2004/001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 13376
LENGTH: 502
TYPE: PRT
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-13376
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Query Match 86.4%; Score 38; DB 4; Length 502;
 Best Local Similarity 100.0%; Pred. No. 70;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GGGVFWQ 7
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 DB 338 GGGVFWQ 343

RESULT 3
 US-09-621-976-6871
 ; Sequence 6871, Application US/09621976
 ; Patent No. 6639063
 ; GENERAL INFORMATION:
 ; APPLICANT: Dumas Milne Edwards, J.B.
 ; APPLICANT: Jobert, S.
 ; APPLICANT: Giordano, J.Y.
 ; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
 ; FILE REFERENCE: GENSET.054PR2
 ; CURRENT APPLICATION NUMBER: US/09/621,976
 ; CURRENT FILING DATE: 2000-07-21
 ; NUMBER OF SEQ ID NOS: 19315
 ; SOFTWARE: Patent.pm
 ; SEQ ID NO 6871
 ; LENGTH: 146
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-621-976-6871

Query Match 81.8%; Score 36; DB 4; Length 146;
 Best Local Similarity 83.3%; Pred. No. 45;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGVFW 6
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 DB 96 GGGVFW 101

RESULT 4
 US-09-540-236-3623
 ; Sequence 3623, Application US/09540236
 ; Patent No. 6673910
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary L. Breton et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
 ; FILE REFERENCE: 2709.2005-001
 ; CURRENT APPLICATION NUMBER: US/09/540,236
 ; CURRENT FILING DATE: 2000-04-04
 ; NUMBER OF SEQ ID NOS: 3840
 ; SEQ ID NO 3623
 ; LENGTH: 1318
 ; TYPE: PRT
 ; ORGANISM: M.catarrhalis
 US-09-540-236-3623

Query Match 81.8%; Score 36; DB 4; Length 1318;
 Best Local Similarity 71.4%; Pred. No. 3.8e+02;
 Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFWQ 7
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 DB 584 GGGVFWQ 590

RESULT 5
 US-09-328-352-7106
 ; Sequence 7106, Application US/09328352
 ; Patent No. 6562958
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary L. Breton et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: GTC99-03PA
 ; CURRENT APPLICATION NUMBER: US/09/328,352
 ; CURRENT FILING DATE: 1999-06-04
 ; NUMBER OF SEQ ID NOS: 8252
 ; SEQ ID NO 7106
 ; LENGTH: 723
 ; TYPE: PRT
 ; ORGANISM: Acinetobacter baumannii
 US-09-328-352-7106

Query Match 79.5%; Score 35; DB 4; Length 723;
 Best Local Similarity 85.7%; Pred. No. 3.1e+02;
 Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFWQ 7
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 DB 640 GGGVFWQ 646

RESULT 6
 US-09-489-039A-8500
 ; Sequence 8500, Application US/09489039A
 ; Patent No. 6610836
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary Breton et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; FILE REFERENCE: 2709.2004001
 ; CURRENT APPLICATION NUMBER: US/09/489,039A
 ; CURRENT FILING DATE: 2000-01-27
 ; PRIOR APPLICATION NUMBER: US 60/117,747
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 14342
 ; SEQ ID NO 8500
 ; LENGTH: 853
 ; TYPE: PRT
 ; ORGANISM: Klebsiella pneumoniae
 US-09-489-039A-8500

Query Match 79.5%; Score 35; DB 4; Length 853;
 Best Local Similarity 71.4%; Pred. No. 3.7e+02;
 Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFWQ 7
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 DB 793 GGGVFWQ 799

RESULT 7
 US-09-540-236-3484
 ; Sequence 3484, Application US/09540236
 ; Patent No. 6673910
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary L. Breton et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CAT
 ; FILE REFERENCE: 2709.2005-001
 ; CURRENT APPLICATION NUMBER: US/09/540,236
 ; CURRENT FILING DATE: 2000-04-04
 ; NUMBER OF SEQ ID NOS: 3840
 ; SEQ ID NO 3484
 ; LENGTH: 73
 ; TYPE: PRT
 ; ORGANISM: M.catarrhalis
 US-09-540-236-3484

Query Match 77.3%; Score 34; DB 4; Length 73;
 Best Local Similarity 83.3%; Pred. No. 49;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFW 6
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Db 19 GGGCFW 24

RESULT 8

US-09-328-352-7896

Sequence 7896, Application US/09328352

Patent No. 6562958

GENERAL INFORMATION:

APPLICANT: Gary L. Breton et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

FILE REFERENCE: GTC99-039A

CURRENT APPLICATION NUMBER: US/09/328,352

CURRENT FILING DATE: 1999-06-04

NUMBER OF SEQ ID NOS: 8252

SEQ ID NO 7896

LENGTH: 188

TYPE: PRT

ORGANISM: Acinetobacter baumannii

US-09-328-352-7896

Query Match

Best Local Similarity 77.3%; Score 34; DB 4; Length 188;

Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFW 6

Db 22 GGGCFW 27

RESULT 9

US-09-489-039A-9319

Sequence 9319, Application US/09489039A

Patent No. 6610836

GENERAL INFORMATION:

APPLICANT: Gary Breton et. al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

FILE REFERENCE: 2709.2004001

CURRENT APPLICATION NUMBER: US/09/489,039A

CURRENT FILING DATE: 2000-01-27

PRIOR APPLICATION NUMBER: US 60/117,747

PRIOR FILING DATE: 1999-01-29

NUMBER OF SEQ ID NOS: 14342

SEQ ID NO 9319

LENGTH: 559

TYPE: PRT

ORGANISM: Klebsiella pneumoniae

US-09-489-039A-9319

Query Match

Best Local Similarity 77.3%; Score 34; DB 4; Length 559;

Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 GGVFWQ 7

Db 290 GGVFWQ 295

RESULT 10

US-09-489-039A-10125

Sequence 10125, Application US/09489039A

Patent No. 6610836

GENERAL INFORMATION:

APPLICANT: Gary Breton et. al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA

FILE REFERENCE: 2709.2004001

CURRENT APPLICATION NUMBER: US/09/489,039A

CURRENT FILING DATE: 2000-01-27

PRIOR APPLICATION NUMBER: US 60/117,747

PRIOR FILING DATE: 1999-01-29

NUMBER OF SEQ ID NOS: 14342

; SEQ ID NO 10125

; LENGTH: 148

; TYPE: PRT

; ORGANISM: Klebsiella pneumoniae

US-09-489-039A-10125

Query Match

Best Local Similarity 75.0%; Score 33; DB 4; Length 148;

Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFW 6

Db 22 GGGVFW 27

RESULT 11

US-09-439-554-18

Sequence 18, Application US/09439554

Patent No. 6479733

GENERAL INFORMATION:

APPLICANT: Rafalski, Jan Antoni

APPLICANT: Odell, Joan T.

APPLICANT: Sakai, Hajime

APPLICANT: Thorpe, Catherine J.

APPLICANT: Kinney, Anthony J.

APPLICANT: Farnodu, Omojaye O.

TITLE OF INVENTION: STEROL METABOLISM ENZYMES

FILE REFERENCE: B1114 US NA

CURRENT APPLICATION NUMBER: US/09/439,554

CURRENT FILING DATE: 1999-11-12

EARLIER APPLICATION NUMBER: 60/108,351

NUMBER OF SEQ ID NOS: 30

SOFTWARE: Microsoft Office 97

SEQ ID NO 18

LENGTH: 170

TYPE: PRT

ORGANISM: Glycine max

FEATURE:

NAME/KEY: UNSURE

LOCATION: (153)

FEATURE:

NAME/KEY: UNSURE

LOCATION: (169)

US-09-439-554-18

Query Match

Best Local Similarity 75.0%; Score 33; DB 4; Length 170;

Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGVFW 6

Db 14 GGGVFW 19

RESULT 12

US-09-198-452A-1044

Sequence 1044, Application US/09198452A

Patent No. 6559234

GENERAL INFORMATION:

APPLICANT: Griffois, R.

TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection

FILE REFERENCE: 9710-003-999

CURRENT APPLICATION NUMBER: US/09/198,452A

CURRENT FILING DATE: 1998-11-24

NUMBER OF SEQ ID NOS: 6849

SEQ ID NO 1044

LENGTH: 241

TYPE: PRT

ORGANISM: Chlamydia pneumoniae

US-09-198-452A-1044

Query Match 75.0%; Score 33; DB 4; Length 241;
 Best Local Similarity 83.3%; Pred. No. 2.3e+02;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFW 6
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 DB 109 GGGVFW 114

RESULT 13
 US-09-134-001C-4512
 ; Sequence 4512, Application US/09134001C
 ; Patent No. 6380370
 ; GENERAL INFORMATION:
 ; APPLICANT: Lynn Doucette-Stamm et al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
 ; FILE REFERENCE: GTC-007
 ; CURRENT APPLICATION NUMBER: US/09/134,001C
 ; CURRENT FILING DATE: 1998-08-13
 ; PRIOR FILING DATE: 1997-11-08
 ; PRIOR APPLICATION NUMBER: US 60/064,964
 ; PRIOR FILING DATE: 1997-08-14
 ; NUMBER OF SEQ ID NOS: 5674
 ; SEQ ID NO 4512
 ; LENGTH: 263
 ; TYPE: PRT
 ; ORGANISM: Staphylococcus epidermidis
 US-09-134-001C-4512

Query Match 75.0%; Score 33; DB 4; Length 263;
 Best Local Similarity 100.0%; Pred. No. 2.5e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GGVFW 6
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 DB 119 GGVFW 123

RESULT 14
 US-09-489-039A-13636
 ; Sequence 13636, Application US/09489039A
 ; Patent No. 6610836
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary Breton et. al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; FILE REFERENCE: 2709,2004001
 ; CURRENT APPLICATION NUMBER: US/09/489,039A
 ; CURRENT FILING DATE: 2000-01-27
 ; PRIOR APPLICATION NUMBER: US 60/117,747
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 14342
 ; SEQ ID NO 13636
 ; LENGTH: 298
 ; TYPE: PRT
 ; ORGANISM: Klebsiella pneumoniae
 US-09-489-039A-13636

Query Match 75.0%; Score 33; DB 4; Length 298;
 Best Local Similarity 83.3%; Pred. No. 2.8e+02;
 Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGGVFW 6
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 DB 241 GGGVFW 246

RESULT 15
 US-09-522-714-14
 ; Sequence 14, Application US/09522714

Patent No. 6563020
 ; GENERAL INFORMATION:
 ; APPLICANT: Simmons, Carl R.
 ; APPLICANT: Valpanti, Nasser
 ; TITLE OF INVENTION: Make Chitinaes and Their Use in
 ; FILE REFERENCE: 1100
 ; CURRENT APPLICATION NUMBER: US/09/522,714
 ; CURRENT FILING DATE: 2000-03-10
 ; EARLIER APPLICATION NUMBER: 60/125,915
 ; EARLIER FILING DATE: 1999-03-24
 ; NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 14
 ; LENGTH: 301
 ; TYPE: PRT
 ; ORGANISM: Zea mays
 US-09-522-714-14

Query Match 75.0%; Score 33; DB 4; Length 301;
 Best Local Similarity 66.7%; Pred. No. 2.9e+02;
 Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGVFW 6
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 DB 152 GGGVFW 157

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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 22.1951 Seconds

(without alignments)
66.594 Million cell updates/sec

Title: US-09-910-582B-2

Perfect score: 44

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Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result NO.	Score	Query Match	Length	ID	Description
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2	44	100.0	7	US-09-910-582B-2	Sequence 2, Appli
3	37	84.1	158	US-09-881-752A-38	Sequence 38, Appli
4	36	81.8	158	US-10-029-386-27774	Sequence 27774, A
5	36	81.8	280	US-09-925-300-1419	Sequence 1419, Ap
6	35	79.5	416	US-10-260-212-2	Sequence 2, Appli
7	35	79.5	445	US-10-369-493-1089	Sequence 1089, Ap
8	35	79.5	637	US-10-431-273-48	Sequence 48, Appli
9	35	79.5	729	US-09-815-242-10132	Sequence 10132, A
10	34	77.3	150	US-10-369-493-7266	Sequence 7266, Ap
11	34	77.3	173	US-10-369-493-4508	Sequence 4508, Ap
12	34	77.3	174	US-10-369-493-8677	Sequence 8677, Ap
13	34	77.3	177	US-10-369-493-18610	Sequence 18610, A
14	34	77.3	238	US-10-101-464A-702	Sequence 702, App
15	34	77.3	278	US-10-002-631C-122	Sequence 122, App

16	34	77.3	304	14	US-10-017-161-2288	Sequence 2288, Ap
17	34	77.3	304	15	US-10-292-798-1934	Sequence 1934, Ap
18	34	77.3	346	10	US-09-917-378-8	Sequence 8, Appli
19	34	77.3	353	15	US-10-369-493-20845	Sequence 20845, A
20	34	77.3	491	14	US-10-156-761-8169	Sequence 8169, Ap
21	34	77.3	500	15	US-10-369-493-3246	Sequence 3246, Ap
22	34	77.3	506	15	US-10-369-493-7784	Sequence 7784, Ap
23	34	77.3	521	15	US-10-369-493-449	Sequence 449, Ap
24	34	77.3	521	15	US-10-369-493-21204	Sequence 21204, A
25	34	77.3	528	15	US-10-369-493-11791	Sequence 11791, A
26	34	77.3	530	15	US-10-369-493-835	Sequence 835, App
27	33	75.0	109	9	US-09-764-868-944	Sequence 944, App
28	33	75.0	241	15	US-10-289-762-1044	Sequence 1044, App
29	33	75.0	276	15	US-10-264-049-1128	Sequence 1128, Ap
30	33	75.0	301	14	US-10-304-928-14	Sequence 1, Appli
31	33	75.0	317	9	US-09-151-771-8	Sequence 8, Appli
32	33	75.0	318	9	US-09-151-771-9	Sequence 9, Appli
33	33	75.0	338	14	US-10-170-789-36	Sequence 36, Appli
34	33	75.0	342	10	US-09-809-391-695	Sequence 695, App
35	33	75.0	342	10	US-09-882-171-695	Sequence 695, App
36	33	75.0	358	14	US-10-205-219-131	Sequence 131, App
37	33	75.0	358	14	US-10-385-450-8	Sequence 8, Appli
38	33	75.0	358	14	US-10-385-450-9	Sequence 9, Appli
39	33	75.0	400	15	US-10-369-493-12703	Sequence 12703, A
40	33	75.0	409	9	US-09-790-264-42	Sequence 42, Appli
41	33	75.0	409	14	US-10-269-353-42	Sequence 42, Appli
42	33	75.0	410	14	US-10-156-761-11310	Sequence 11310, A
43	33	75.0	417	9	US-09-815-242-10165	Sequence 10165, A
44	33	75.0	432	14	US-10-081-872-74	Sequence 74, Appli
45	33	75.0	432	14	US-10-081-872-84	Sequence 84, Appli

ALIGNMENTS

RESULT 1
US-09-782-650-1
; Sequence 1, Application US/09782650
; Patent No. US20020019350A1
; GENERAL INFORMATION:
; APPLICANT: Levine, Arnold J.
; APPLICANT: Mitterer, Arthur
; APPLICANT: Falkner, Falko-Guenther
; APPLICANT: Schellinger, Friedrich
; APPLICANT: Dornier, Friedrich
; APPLICANT: Edwards Lifesciences Corporation
; TITLE OF INVENTION: Targeted Angiogenesis
; FILE REFERENCE: 2053D-000611US
; CURRENT APPLICATION NUMBER: US/09/782,650
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: US 09/324,079
; PRIOR FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: US 09/327,045
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: PCT/US00/14988
; PRIOR FILING DATE: 2000-05-31
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: targeting
; OTHER INFORMATION: molecule
US-09-782-650-1

Query Match 100.0%; Score 44; DB 9; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.2e+05;
Matches 7; Conservative 0; Mismatches 0; Gaps 0;

QY 1 GGGVFWQ 7
|||||||

Andy Pappas

Db 1 GGGVFWQ 7

RESULT 2

US-09-910-582B-2
Sequence 2, Application US/09910582B
Publication No. US2003004576A1
GENERAL INFORMATION:
APPLICANT: Ruostehi, Erkki
APPLICANT: Mackenna, Deirdre A.
TITLE OF INVENTION: Heart Homing Conjugates
FILE REFERENCE: P-LJ 4857
CURRENT APPLICATION NUMBER: US/09/910,582B
CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US 09/326,718
PRIOR FILING DATE: 1999-06-07
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 7
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic construct
US-09-910-582B-2

Query Match 100.0%; Score 44; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.2e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GGGVFWQ 7
Db 1 GGGVFWQ 7

RESULT 3

US-09-881-752A-38
Sequence 38, Application US/09881752A
Patent No. US20020115078A1
GENERAL INFORMATION:
APPLICANT: Kleantous, Harold
APPLICANT: Al-Garawi, Amal
APPLICANT: Miller, Charles
APPLICANT: Tomb, Jean-Francois
APPLICANT: Oomen, Raymond P.
TITLE OF INVENTION: Identification of Polynucleotides
TITLE OF INVENTION: Encoding No. US20020115078A1 Helicobacter Polypeptides in the
FILE REFERENCE: 06132/041002
CURRENT APPLICATION NUMBER: US/09/881,752A
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: US 08/833,457
PRIOR FILING DATE: 1997-04-01
NUMBER OF SEQ ID NOS: 370
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 38
LENGTH: 480
TYPE: PRT
ORGANISM: Helicobacter pylori
US-09-881-752A-38

Query Match 84.1%; Score 37; DB 9; Length 480;
Best Local Similarity 71.4%; Pred. No. 2.4e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 1 GGGVFWQ 7
Db 130 GGGVFWQ 136

RESULT 4
US-10-029-386-27774
Sequence 27774, Application US/10029386

Publication No. US20030194704A1

GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: AEOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
SEQ ID NO 27774
LENGTH: 158
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL138752.2
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 8.1
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 8.2
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.5
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 7.6
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 8.2
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 7.5
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 8.2
OTHER INFORMATION: SWISSPROT HIT: Q9N0T5, EVALU8 3.00e-45
US-10-029-386-27774

Query Match 81.8%; Score 36; DB 14; Length 158;
Best Local Similarity 83.3%; Pred. No. 1.3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 GGGVFW 6
Db 146 GGGVFW 151

RESULT 5

US-09-925-300-1419
Sequence 1419, Application US/09925300
Patent No. US20020151681A1
GENERAL INFORMATION:
APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA101
CURRENT APPLICATION NUMBER: US/09/925,300
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05988
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: Patentm Ver. 2.0
SEQ ID NO 1419
LENGTH: 280
TYPE: PRT
ORGANISM: Homo sapiens
US-09-925-300-1419

Query Match 81.8%; Score 36; DB 9; Length 280;
Best Local Similarity 83.3%; Pred. No. 2.2e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 GGGVFW 6
Db 101 GGGVFW 106

RESULT 6
US-10-260-212-2
Sequence 2, Application US/10260212
Publication No. US20030131380A1

```

; GENERAL INFORMATION:
; APPLICANT: SOCIETE DES PRODUITS NESTLE S.A.
; TITLE OF INVENTION: Coffee Mannanase
; FILE REFERENCE: 88265-6783
; CURRENT APPLICATION NUMBER: US/10/260,212
; CURRENT FILING DATE: 2002-08-27
; PRIOR APPLICATION NUMBER: PCT/EP01/01549
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 416
; TYPE: PRT
; ORGANISM: Coffea arabica
US-10-260-212-2

Query Match      79.5%; Score 35; DB 14; Length 416;
Best Local Similarity 71.4%; Pred. No. 4.5e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 GGGVFWQ 7
DB      372 GGNLFWQ 378

RESULT 7
US-10-369-493-3089
; Sequence 3089, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 3089
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Neurospora crassa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(445)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-3089

Query Match      79.5%; Score 35; DB 15; Length 445;
Best Local Similarity 71.4%; Pred. No. 4.8e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 GGGVFWQ 7
DB      396 GGAVFWE 402

RESULT 8
US-10-431-273-48
; Sequence 48, Application US/10431273
; Publication No. US20030237108A1
; GENERAL INFORMATION:
; APPLICANT: Demmer, Jerroen
; APPLICANT: Shenk, Michael Andrew
; APPLICANT: Glenn, Matthew
; APPLICANT: No. US20030237108A1
; APPLICANT: Saulsbury, Keith Martin
; APPLICANT: Hall, Claire
```

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; APPLICANT: Forster, Richard L. S.
; TITLE OF INVENTION: Compositions isolated from forage
; TITLE OF INVENTION: grasses and methods for their use.
; FILE REFERENCE: 11000.1069U
; CURRENT APPLICATION NUMBER: US/10/431,273
; CURRENT FILING DATE: 2003-05-06
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 637
; TYPE: PRT
; ORGANISM: Lolium perenne
US-10-431-273-48

Query Match      79.5%; Score 35; DB 15; Length 637;
Best Local Similarity 71.4%; Pred. No. 6.7e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGVFWQ 7
DB      27 GGGVWVR 33

RESULT 9
US-09-815-242-10132
; Sequence 10132, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10132
; LENGTH: 729
; TYPE: PRT
; ORGANISM: Escherichia coli
US-09-815-242-10132

Query Match      79.5%; Score 35; DB 9; Length 729;
Best Local Similarity 85.7%; Pred. No. 7.6e+02;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 GGGVFWQ 7
DB      649 GGGVWNO 655

RESULT 10
```

```

US-10-369-493-7266
; Sequence 7266, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 7266
; LENGTH: 150
; TYPE: PRT
; ORGANISM: Burkholderia cepacia
US-10-369-493-7266

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```

Query Match          77.3%; Score 34; DB 15; Length 150;
Best Local Similarity 83.3%; Pred. No. 2.3e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      1 GGGVFW 6
        |||
        6 GGGCFW 11

```

```

RESULT 11
US-10-369-493-4508
; Sequence 4508, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 4508
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Burkholderia fungorum
US-10-369-493-4508

```

```

Query Match          77.3%; Score 34; DB 15; Length 173;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      1 GGGVFW 6
        |||
        6 GGGCFW 11

```

```

RESULT 12
US-10-369-493-8677
; Sequence 8677, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.

```

```

; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 8677
; LENGTH: 174
; TYPE: PRT
; ORGANISM: Ralstonia metallidurans
US-10-369-493-8677

```

```

Query Match          77.3%; Score 34; DB 15; Length 174;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      1 GGGVFW 6
        |||
        6 GGGCFW 11

```

```

RESULT 13
US-10-369-493-18610
; Sequence 18610, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 18610
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Halobacterium sp. NRC-1
US-10-369-493-18610

```

```

Query Match          77.3%; Score 34; DB 15; Length 177;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      1 GGGVFW 6
        |||
        9 GGGCFW 14

```

```

RESULT 14
US-10-101-464A-702
; Sequence 702, Application US/10101464A
; Publication No. US20030046728A1
; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Nieuwenhuizen, Nicolaas
; APPLICANT: Higgins, Colleen M.
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; FILE REFERENCE: 11000.1020c2
; CURRENT APPLICATION NUMBER: US/10/101,464A
; PRIOR FILING DATE: 2002-03-18
; PRIOR APPLICATION NUMBER: 08/704,302
; PRIOR FILING DATE: 2000-11-01

```


; PRIOR APPLICATION NUMBER: 09/228,986
 ; PRIOR FILING DATE: 1999-01-12
 ; PRIOR APPLICATION NUMBER: 60/162,866
 ; PRIOR FILING DATE: 1999-11-01
 ; PRIOR APPLICATION NUMBER: PCT/US00/00724
 ; PRIOR FILING DATE: 2000-01-11
 ; NUMBER OF SEQ ID NOS: 989
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 702
 ; LENGTH: 238
 ; TYPE: PRT
 ; ORGANISM: Pinus radiata
 US-10-101-464A-702

Query Match 77.3%; Score 34; DB 14; Length 238;
 Best Local Similarity 83.3%; Pred. No. 4e+02;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GGVFWQ 7
 |||||
 Db 18 GGVFWR 23

RESULT 15
 US-10-002-631C-122
 ; Sequence 122; Application US/10002631C
 ; Publication No. US20030157486A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Graff, Jonathon M.
 ; APPLICANT: Mueller, Matthew
 ; TITLE OF INVENTION: METHODS TO IDENTIFY SIGNAL SEQUENCES
 ; FILE REFERENCE: A34943 090495.0243
 ; CURRENT APPLICATION NUMBER: US/10/002,631C
 ; CURRENT FILING DATE: 2001-10-31
 ; PRIOR APPLICATION NUMBER: 60/300,309
 ; PRIOR FILING DATE: 2001-06-21
 ; NUMBER OF SEQ ID NOS: 324
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 122
 ; LENGTH: 278
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: UNSURE
 ; LOCATION: (1)...(269)
 ; OTHER INFORMATION: Xaa = any amino acid
 US-10-002-631C-122

Query Match 77.3%; Score 34; DB 14; Length 278;
 Best Local Similarity 83.3%; Pred. No. 4.6e+02;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GGVFWQ 7
 |||||
 Db 241 GGVFWR 246

Search completed: March 1, 2004, 17:16:43
 Job time : 23.1951 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:52:59 ; Search time 10.9268 Seconds
(Without alignments)
33.073 Million cell updates/sec

Title: US-09-910-582b-3

Perfect score: 43

Sequence: 1 HGRVRPH 7

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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3: /cgn2_6/prodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/prodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/prodata/2/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/prodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	43	100.0	7	4	US-09-326-718-3
2	35	81.4	156	4	US-09-252-991A-21289
3	35	81.4	425	4	US-09-252-991A-20831
4	34	79.1	436	4	US-09-252-991A-28902
5	34	79.1	436	4	US-09-252-991A-20256
6	34	79.1	605	1	US-08-190-802A-49
7	34	79.1	605	3	US-09-063-950-5
8	34	79.1	605	3	US-08-477-346-49
9	34	79.1	605	3	US-08-473-089-49
10	34	79.1	605	4	US-08-487-072A-49
11	34	79.1	875	4	US-09-252-991A-30056
12	33	76.7	213	4	US-09-252-991A-23391
13	33	76.7	225	4	US-09-645-055-54
14	33	76.7	511	4	US-09-252-991A-22789
15	32	74.4	19	4	US-09-122-315C-13
16	32	74.4	19	4	US-09-360-376-1
17	32	74.4	157	4	US-09-252-991A-25456
18	32	74.4	211	4	US-09-252-991A-28756
19	32	74.4	233	4	US-09-360-376-55
20	32	74.4	272	4	US-09-252-991A-24088
21	32	74.4	282	4	US-09-360-376-54
22	32	74.4	284	4	US-09-252-991A-17772
23	32	74.4	285	4	US-08-992-035A-1
24	32	74.4	302	4	US-09-252-991A-21021
25	32	74.4	304	4	US-09-252-991A-22165
26	32	74.4	304	4	US-09-252-991A-32503
27	32	74.4	323	4	US-09-122-315C-18

28	32	74.4	385	4	US-09-328-352-5641	Sequence 5641, App
29	32	74.4	418	4	US-09-252-991A-32677	Sequence 32677, A
30	32	74.4	464	4	US-09-252-991A-26212	Sequence 26212, A
31	32	74.4	589	4	US-09-252-991A-28836	Sequence 28836, A
32	32	74.4	661	4	US-09-252-991A-29083	Sequence 29083, A
33	32	74.4	739	4	US-09-252-991A-27761	Sequence 27761, A
34	32	74.4	782	4	US-09-252-991A-30464	Sequence 30464, A
35	31	72.1	97	2	US-09-047-125-25	Sequence 25, Appl
36	31	72.1	97	3	US-07-736-335E-25	Sequence 25, Appl
37	31	72.1	139	4	US-09-134-001C-5124	Sequence 5124, App
38	31	72.1	169	4	US-09-252-991A-24746	Sequence 24746, A
39	31	72.1	170	4	US-09-732-210-316	Sequence 316, App
40	31	72.1	172	4	US-09-732-210-317	Sequence 317, App
41	31	72.1	197	4	US-09-252-991A-18319	Sequence 18319, A
42	31	72.1	219	4	US-09-252-991A-30557	Sequence 30557, A
43	31	72.1	248	4	US-09-252-991A-30679	Sequence 30679, A
44	31	72.1	288	4	US-09-252-991A-31433	Sequence 31433, A
45	31	72.1	305	4	US-09-489-039A-13384	Sequence 13384, A

ALIGNMENTS

RESULT 1
US-09-326-718-3
Sequence 3, Application US/09326718
Patent No. 6303573
GENERAL INFORMATION:
APPLICANT: Ruoslantti, Erkki
APPLICANT: Mackenna, Delire A.
TITLE OF INVENTION: Heart Homing Peptides and Methods of
FILE REFERENCE: P-LJ 3512
CURRENT APPLICATION NUMBER: US/09/326,718
CURRENT FILING DATE: 1999-06-07
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FASTSEQ For Windows Version 4.0
SEQ ID NO 3
LENGTH: 7
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: synthetic construct
US-09-326-718-3

Query Match 100.0%; Score 43; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HGRVRPH 7
DB 1 HGRVRPH 7
RESULT 2
US-09-252-991A-21289
Sequence 21289, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 21289
LENGTH: 156
TYPE: PRT

ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-21289

Query Match
Best Local Similarity 81.4%; Score 35; DB 4; Length 156;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HGRVRP 6
DB 111 HGRVRP 116

RESULT 3
US-09-252-991A-20831

Sequence 20831, Application US/09252991A
Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

PRIOR FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 20831

LENGTH: 425

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-20831

Query Match
Best Local Similarity 81.4%; Score 35; DB 4; Length 425;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GVRPH 7
DB 228 GVRPH 233

RESULT 4
US-09-252-991A-28902

Sequence 28902, Application US/09252991A
Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

PRIOR FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 28902

LENGTH: 373

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-28902

Query Match
Best Local Similarity 79.1%; Score 34; DB 4; Length 373;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 HGRVRP 6
DB 355 HGRVRP 360

RESULT 5
US-09-252-991A-20256

Sequence 20256, Application US/09252991A
Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

PRIOR FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 20256

LENGTH: 436

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-20256

Query Match
Best Local Similarity 79.1%; Score 34; DB 4; Length 436;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 HGRVRP 7
DB 406 HGRVRP 412

RESULT 6
US-08-190-802A-49

Sequence 49, Application US/08190802A
Patent No. 3519003

GENERAL INFORMATION:

APPLICANT: Mochly-Rosen, Daria

TITLE OF INVENTION: WD-40 - Derived Peptides and Uses

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/08/190,802A

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

PRIOR APPLICATION NUMBER: 530

PRIOR FILING DATE: 01-FEB-1994

ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Insulin-like growth factor binding
INDIVIDUAL ISOLATE: protein complex, Fig. 32
US-08-190-802A-49

Query Match 79.1%; Score 34; DB 1; Length 605;
Best Local Similarity 83.3%; Pred. No. 53;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
DB 399 GRIRPH 404

RESULT 7
US-09-063-950-5
Sequence 5, Application US/09063950C
Patent No. 6225085
GENERAL INFORMATION:
APPLICANT: Holtzman, Douglas A.
TITLE OF INVENTION: NOVEL LRSG PROTEIN AND NUCLEIC ACID MOLECULES AND USES
TITLE OF INVENTION: THEREFOR
FILE REFERENCE: MET-019
CURRENT APPLICATION NUMBER: US/09/063,950C
CURRENT FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 5
LENGTH: 605
TYPE: PRT
ORGANISM: Papio hamadryas
US-09-063-950-5

Query Match 79.1%; Score 34; DB 3; Length 605;
Best Local Similarity 83.3%; Pred. No. 53;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
DB 399 GRIRPH 404

RESULT 8
US-08-477-346-49
Sequence 49, Application US/08477346
Patent No. 6262023
GENERAL INFORMATION:
APPLICANT: Mochly-Rosen, Daria
TITLE OF INVENTION: WD-40 - Derived Peptides and Uses
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 2000 Pennsylvania Avenue, NW
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,346
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/487,072
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: MORASHIGE, KATE H.

REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 2550-0025.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 605 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Insulin-like growth factor binding
INDIVIDUAL ISOLATE: protein complex, Fig. 32
US-08-477-346-49

Query Match 79.1%; Score 34; DB 3; Length 605;
Best Local Similarity 83.3%; Pred. No. 53;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
DB 399 GRIRPH 404

RESULT 9
US-08-473-089-49
Sequence 49, Application US/08473089
Patent No. 6342368
GENERAL INFORMATION:
APPLICANT: Mochly-Rosen, Daria
TITLE OF INVENTION: WD-40 - Derived Peptides and Uses
TITLE OF INVENTION: Thereof
NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morrison & Foerster
STREET: 2000 Pennsylvania Avenue, NW
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/473,089
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MORASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 2550-0025.22
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 605 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Insulin-like growth factor binding
INDIVIDUAL ISOLATE: protein complex, Fig. 32
US-08-473-089-49

Query Match 79.1%; Score 34; DB 4; Length 605;
Best Local Similarity 83.3%; Pred. No. 53;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
||:||||
Db 399 GRIRPH 404

RESULT 10

US-08-487-072A-49
; Sequence 49, Application US/08487072A
; Patent No. 6423684
; GENERAL INFORMATION:
; APPLICANT: Mochly-Rosen, Daria
; APPLICANT: Ron, Dorit
; TITLE OF INVENTION: MD-40 - Derived peptides and Uses
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 2000 Pennsylvania Avenue, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1812

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/487,072A
; APPLICATION NUMBER: US/08/487,072A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 2550-0025.20
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763
; INFORMATION FOR SEQ ID NO: 49:

SEQUENCE CHARACTERISTICS:

LENGTH: 605 amino acids

TYPE: amino acid

TOPOLOGY: unknown

MOLECULE TYPE: Protein

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: Insulin-like growth factor binding

INDIVIDUAL ISOLATE: Protein complex, Fig. 32

US-08-487-072A-49

Query Match 79.1%; Score 34; DB 4; Length 605;
Best Local Similarity 83.3%; Pred. No. 53;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
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Db 399 GRIRPH 404

RESULT 11

US-09-252-991A-30056
; Sequence 30056, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30056
; LENGTH: 875
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-30056

Query Match 79.1%; Score 34; DB 4; Length 875;
Best Local Similarity 83.3%; Pred. No. 80;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRPH 7
||:||||
Db 392 GRIRPH 397

RESULT 12

US-09-252-991A-23391
; Sequence 23391, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23391
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-23391

Query Match 76.7%; Score 33; DB 4; Length 213;
Best Local Similarity 71.4%; Pred. No. 27;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 HGRVRPH 7
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Db 104 HSRTRPH 110

RESULT 13

US-09-645-055-54
; Sequence 54, Application US/09645055
; Patent No. 6599701
; GENERAL INFORMATION:
; APPLICANT: Clarity Biosciences, Inc.
; APPLICANT: Honeycutt, Rhonda
; APPLICANT: McCelland, Michael
; TITLE OF INVENTION: IDENTIFYING ORGANISMS BY DETECTING
; TITLE OF INVENTION: INTRONIC NUCLEIC ACIDS OR ENCODED PROTEINS
; FILE REFERENCE: 475402000100
; CURRENT APPLICATION NUMBER: US/09/645,055
; CURRENT FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: US 60/150,977
; PRIOR FILING DATE: 1999-08-25
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54
; LENGTH: 225
; TYPE: PRT

ORGANISM: *Tilletia indica*
US-09-645-055-54

Query Match 76.7%; Score 33; DB 4; Length 225;
Best Local Similarity 71.4%; Pred. No. 29;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Db 9 GRIRPH 14

Search completed: March 1, 2004, 16:59:05
Job time: 10.9268 secs

OY 1 HGRVRPH 7
Db 150 NGKVRPH 156

RESULT 14

US-09-252-991A-22789
Sequence 22789, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 22789
LENGTH: 511
TYPE: PRT
ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-22789

Query Match 76.7%; Score 33; DB 4; Length 511;
Best Local Similarity 71.4%; Pred. No. 71;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 1 HGRVRPH 7
Db 231 HGLIRPH 237

RESULT 15

US-09-122-315C-13
Sequence 13, Application US/09122315C
Patent No. 6476294
GENERAL INFORMATION:
APPLICANT: Michael W. Tassner
APPLICANT: Diane Ruezinsky
TITLE OF INVENTION: Plant Phosphatidic Acid Phosphatases
FILE REFERENCE: 17026/00/US
CURRENT APPLICATION NUMBER: US/09/122,315C
CURRENT FILING DATE: 1998-07-24
NUMBER OF SEQ ID NOS: 18
SOFTWARE: IBM PC; Windows NT 4.0; Microsoft Word for Windows 7.0a
SEQ ID NO 13
LENGTH: 19
TYPE: PRT
ORGANISM: artificial sequence
FEATURE:
OTHER INFORMATION: conserved region of PAP related amino acid sequence
NAME/KEY: unsure
LOCATION: (1)..(19)
OTHER INFORMATION: unsure at all Xaa locations
US-09-122-315C-13

Query Match 74.4%; Score 32; DB 4; Length 19;
Best Local Similarity 63.3%; Pred. No. 3;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 2 GRVRPH 7
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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 22.1951 Seconds

(without alignments)
66.594 Million cell updates/sec

Title: US-09-910-582B-3

Perfect score: 43

Sequence: 1 HGRVRPH 7

Scoring table: BLOSUM62

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Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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17: /cgn2_6/ptodata/1/pubppa/US60_NEW_PUBCOMB.pep:*

18: /cgn2_6/ptodata/1/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	43	100.0	7 10 US-09-910-582B-3	Sequence 3, Appl1
3	35	81.4	90 9 US-09-764-887-157	Sequence 157, App
4	35	81.4	90 14 US-10-073-961-157	Sequence 157, App
5	35	81.4	419 15 US-10-369-493-16720	Sequence 16720, A
6	34	79.1	512 15 US-10-369-493-16720	Sequence 16720, A
7	34	79.1	605 9 US-09-782-980-62	Sequence 62, Appl1
8	33	76.7	160 15 US-10-131-410-87	Sequence 87, Appl1
9	32	74.4	86 9 US-09-867-550-486	Sequence 486, App
10	32	74.4	249 15 US-09-369-493-17326	Sequence 17326, A
11	32	74.4	308 10 US-09-934-455-30	Sequence 30, Appl1
12	32	74.4	308 15 US-10-225-068-230	Sequence 230, App
13	32	74.4	308 15 US-10-374-780A-268	Sequence 268, App
14	32	74.4	318 15 US-10-369-493-6893	Sequence 6893, App
15	32	74.4	344 15 US-10-094-749-2951	Sequence 2951, App

15	32	74.4	403 9 US-09-738-625-5159	Sequence 5159, App
17	32	74.4	456 10 US-09-829-432-4	Sequence 4, Appl1
18	32	74.4	456 10 US-09-829-432-5	Sequence 5, Appl1
19	32	74.4	507 14 US-10-156-761-11305	Sequence 11305, A
20	32	74.4	701 14 US-10-156-761-8059	Sequence 8059, App
21	32	74.4	1171 14 US-10-197-666A-96	Sequence 96, Appl1
22	32	74.4	1171 15 US-10-311-034-8	Sequence 8, Appl1
23	32	74.4	1198 15 US-10-001-215-2	Sequence 2, Appl1
24	32	74.4	1198 14 US-10-197-666A-98	Sequence 98, Appl1
25	32	74.4	1511 9 US-10-247-671-156	Sequence 156, App
26	32	74.4	1736 9 US-09-919-497-98	Sequence 98, Appl1
27	32	74.4	19695 15 US-10-084-846A-3	Sequence 3, Appl1
28	31	72.1	60 11 US-09-864-408A-1428	Sequence 1428, App
29	31	72.1	67 14 US-10-029-386-30704	Sequence 30704, A
30	31	72.1	94 15 US-10-264-049-3914	Sequence 3914, App
31	31	72.1	101 14 US-10-029-386-30763	Sequence 30763, A
32	31	72.1	108 10 US-09-764-891-4485	Sequence 4485, App
33	31	72.1	138 11 US-09-864-408A-1486	Sequence 1486, App
34	31	72.1	296 15 US-10-074-978A-212	Sequence 212, App
35	31	72.1	336 14 US-10-238-075-271	Sequence 271, App
36	31	72.1	389 15 US-10-369-493-21801	Sequence 21801, A
37	31	72.1	398 11 US-09-981-151A-74	Sequence 74, Appl1
38	31	72.1	414 9 US-09-820-893-69	Sequence 69, Appl1
39	31	72.1	457 9 US-09-888-615-110	Sequence 110, App
40	31	72.1	457 11 US-09-981-151A-71	Sequence 71, Appl1
41	31	72.1	472 11 US-09-981-151A-27	Sequence 27, Appl1
42	31	72.1	480 9 US-09-820-893-108	Sequence 108, App
43	31	72.1	536 9 US-09-864-761-36148	Sequence 36148, A
44	31	72.1	538 15 US-10-369-493-8793	Sequence 8793, App
45	31	72.1	599 15 US-10-108-260A-3964	Sequence 3964, App

ALIGNMENTS

RESULT 1

US-09-782-650-2

Sequence 2, Application US/09782650

Patent No. US20020019350A1

GENERAL INFORMATION:

APPLICANT: Levine, Arnold J.

APPLICANT: Mitterer, Arthur

APPLICANT: Falkner, Falko-Guenther

APPLICANT: Scheifflinger, Friedrich

APPLICANT: Dornier, Friedrich

APPLICANT: Edwards Lifesciences Corporation

TITLE OF INVENTION: Targeted Angiogenesis

FILE REFERENCE: 20553D-000611US

CURRENT APPLICATION NUMBER: US/09/782, 650

CURRENT FILING DATE: 2001-02-12

PRIOR APPLICATION NUMBER: US 09/324, 079

PRIOR FILING DATE: 1999-06-01

PRIOR APPLICATION NUMBER: US 09/327, 045

PRIOR FILING DATE: 1999-06-07

PRIOR APPLICATION NUMBER: PCT/US00/14988

PRIOR FILING DATE: 2000-05-31

NUMBER OF SEQ ID NOS: 24

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 2

LENGTH: 7

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence:targeting

US-09-782-650-2

Query Match 100.0%; Score 43; DB 9; Length 7;

Best Local Similarity 100.0%; Pred. No. 7.1e+05;

Matches 7; Conservative 0; Mismatches 0; Indels 0;

QY 1 HGRVRPH 7

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Db      1 HGRVRPH 7
RESULT 2
US-09-910-582B-3
; Sequence 3, Application US/09910582B
; Publication No. US20030045476A1
; GENERAL INFORMATION:
; APPLICANT: Rusiabati, Erkki
; APPLICANT: Mackenna, Delore A.
; TITLE OF INVENTION: Heart Homing Conjugates
; FILE REFERENCE: P-Lt 4857
; CURRENT APPLICATION NUMBER: US/09/910,582B
; PRIOR FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/326,718
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-910-582B-3

Query Match      100.0%; Score 43; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 7.1e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 HGRVRPH 7
Db      1 HGRVRPH 7

RESULT 3
US-09-764-887-157
; Sequence 157, Application US/09764887
; Patent No. US20020042096A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA113
; CURRENT APPLICATION NUMBER: US/09/764,887
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 658
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 157
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (16)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-887-157

Query Match      81.4%; Score 35; DB 9; Length 90;
Best Local Similarity 71.4%; Pred. No. 32;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 HGRVRPH 7
Db      73 HGRVRPH 79

RESULT 4
US-10-073-961-157
; Sequence 157, Application US/10073961
; Publication No. US20030077602A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA113C1
; CURRENT APPLICATION NUMBER: US/10/073,961
; CURRENT FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: 09/764,887
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,986
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
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; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224,518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,369
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/224,519
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,964
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/241,809
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/249,299
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/236,327
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241,785
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/244,617
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 60/225,268
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,368
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/251,856
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/251,868
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/229,344
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PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/234,997
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: 60/229,343
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,345
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,287
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: 60/229,513
PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: 60/231,413
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/229,509
PRIOR FILING DATE: 2000-09-05
PRIOR APPLICATION NUMBER: 60/236,367
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/237,039
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,038
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/236,370
PRIOR FILING DATE: 2000-09-29
PRIOR APPLICATION NUMBER: 60/236,802
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,037
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/237,040
PRIOR FILING DATE: 2000-10-02
PRIOR APPLICATION NUMBER: 60/240,960
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/239,935
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/239,937
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: 60/241,787
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,474
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/246,532
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/249,216
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,210
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/226,681
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225,759
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/225,213
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/227,182
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: 60/225,214
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/235,836
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/230,438
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/215,135
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 60/225,266
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/249,218
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,208
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,213
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,212
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PRIOR APPLICATION NUMBER: 60/249,207
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,245
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,244
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,217
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,211
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,215
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,264
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,214
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/249,297
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/232,080
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/231,242
PRIOR FILING DATE: 2000-09-08
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PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,244
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/233,064
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PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,397
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,399
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,401
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/241,808
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,826
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,786
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,221
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,475
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/231,243
PRIOR FILING DATE: 2000-09-08
Query Match 81.4%; Score 35; DB 14; Length 90;
Best Local Similarity 71.4%; Pred. No. 32;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 HGVHPR 7
Db 73 HGVHPR 79
RESULT 5
US-10-369-493-16720
Sequence 16720, Application US/10369493
Publication No. US20030233675A1
GENERAL INFORMATION:
APPLICANT: Cao, Yongwei
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
APPLICANT: Goldman, Barry S.
APPLICANT: Chen, Xiandeng
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
FILE REFERENCE: 38-10(52052)B

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      PRIOR APPLICATION NUMBER: 60/249, 245
      PRIOR FILING DATE: 2000-11-17
      PRIOR APPLICATION NUMBER: 60/249, 244
      PRIOR FILING DATE: 2000-11-17
      PRIOR APPLICATION NUMBER: 60/249, 217
      PRIOR FILING DATE: 2000-11-17
      PRIOR APPLICATION NUMBER: 60/249, 211
      PRIOR FILING DATE: 2000-11-17
      PRIOR APPLICATION NUMBER: 60/249, 215
      PRIOR FILING DATE: 2000-11-17
      PRIOR APPLICATION NUMBER: 60/249, 264
      PRIOR FILING DATE: 2000-11-17
      PRIOR APPLICATION NUMBER: 60/249, 214
      PRIOR FILING DATE: 2000-11-17
      PRIOR APPLICATION NUMBER: 60/249, 297
      PRIOR FILING DATE: 2000-11-17
      PRIOR APPLICATION NUMBER: 60/232, 400
      PRIOR FILING DATE: 2000-09-14
      PRIOR APPLICATION NUMBER: 60/231, 242
      PRIOR FILING DATE: 2000-09-08
      PRIOR APPLICATION NUMBER: 60/232, 081
      PRIOR FILING DATE: 2000-09-08
      PRIOR APPLICATION NUMBER: 60/232, 080
      PRIOR FILING DATE: 2000-09-08
      PRIOR APPLICATION NUMBER: 60/231, 414
      PRIOR FILING DATE: 2000-09-08
      PRIOR APPLICATION NUMBER: 60/231, 244
      PRIOR FILING DATE: 2000-09-08
      PRIOR APPLICATION NUMBER: 60/233, 064
      PRIOR FILING DATE: 2000-09-14
      PRIOR APPLICATION NUMBER: 60/233, 063
      PRIOR FILING DATE: 2000-09-14
      PRIOR APPLICATION NUMBER: 60/232, 397
      PRIOR FILING DATE: 2000-09-14
      PRIOR APPLICATION NUMBER: 60/232, 399
      PRIOR FILING DATE: 2000-09-14
      PRIOR APPLICATION NUMBER: 60/232, 401
      PRIOR FILING DATE: 2000-09-14
      PRIOR APPLICATION NUMBER: 60/241, 808
      PRIOR FILING DATE: 2000-10-20
      PRIOR APPLICATION NUMBER: 60/241, 826
      PRIOR FILING DATE: 2000-10-20
      PRIOR APPLICATION NUMBER: 60/241, 786
      PRIOR FILING DATE: 2000-10-20
      PRIOR APPLICATION NUMBER: 60/241, 221
      PRIOR FILING DATE: 2000-10-20
      PRIOR APPLICATION NUMBER: 60/246, 475
      PRIOR FILING DATE: 2000-11-08
      PRIOR APPLICATION NUMBER: 60/231, 243
      PRIOR FILING DATE: 2000-09-08
    /
Query Match          81.4%; Score 35; DB 14; Length 90;
Best Local Similarity 71.4%; Pred. No. 32;
Matches      5; Conservative      1; Mismatches      1; Indels      0; Gaps      0;

OY      1 HGVVRPH 7
       ||: |||
Db      73 HGQTRPH 79

RESULT 5
US-10-369-493-16720
; Sequence 16720, Application US/10369493
; Publication No. US2003023675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B

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;; CURRENT APPLICATION NUMBER: US/10/369,493
;; CURRENT FILING DATE: 2003-02-28
;; PRIOR APPLICATION NUMBER: US 60/360,039
;; PRIOR FILING DATE: 2002-02-21
;; NUMBER OF SEQ ID NOS: 47374
;; SEQ ID NO 16720
;; LENGTH: 419
;; TYPE: PRT
;; ORGANISM: *Bacillus thuringiensis*
US-10-369-493-16720

Query Match
Best Local Similarity 81.4%; Score 35; DB 15; Length 419;
Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRFH 7
DB 151 GRVRFH 156

RESULT 6
US-10-369-493-19281
;; Sequence 19281, Application US/10369493
;; Publication No. US2003023675A1
;; GENERAL INFORMATION:
;; APPLICANT: Hinkle, Gregory J.
;; APPLICANT: Cao, Yongwei
;; APPLICANT: Slater, Steven C.
;; APPLICANT: Goldman, Barry S.
;; APPLICANT: Chen, Xianning
;; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
;; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
;; FILE REFERENCE: 38-10(52052)B
;; CURRENT APPLICATION NUMBER: US/10/369,493
;; CURRENT FILING DATE: 2003-02-28
;; PRIOR APPLICATION NUMBER: US 60/360,039
;; PRIOR FILING DATE: 2002-02-21
;; NUMBER OF SEQ ID NOS: 47374
;; SEQ ID NO 19281
;; LENGTH: 512
;; TYPE: PRT
;; ORGANISM: *Myxococcus xanthus*
US-10-369-493-19281

Query Match
Best Local Similarity 79.1%; Score 34; DB 15; Length 512;
Pred. No. 2.5e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 HGRVRFH 7
DB 10 HGRVRFH 16

RESULT 7
US-09-782-980-62
;; Sequence 62, Application US/09782980
;; Patent No. US20020072089A1
;; GENERAL INFORMATION:
;; APPLICANT: Khodadoust, Mehrian M.
;; APPLICANT: Macbeth, Kyle J.
;; APPLICANT: Busfield, Samantha J.
;; APPLICANT: McCarthy, Sean A.
;; APPLICANT: Holtzman, Douglas A.
;; APPLICANT: Gu, Wei
;; APPLICANT: White, David
;; APPLICANT: Pan, Yang
;; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIPE, TRASH, BDSF, LRSG, AND
;; TITLE OF INVENTION: STMSR PROTEIN AND NUCLEIC ACID MOLECULES AND USES
;; TITLE OF INVENTION: THEREFOR
;; FILE REFERENCE: MN1-121CP
;; CURRENT APPLICATION NUMBER: US/09/782,980
;; CURRENT FILING DATE: 2001-02-13
;; PRIOR APPLICATION NUMBER: PCT/US00/02125

;; PRIOR FILING DATE: 2000-01-27
;; PRIOR APPLICATION NUMBER: 09/448,076
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: 09/276,400
;; PRIOR FILING DATE: 1999-03-25
;; PRIOR APPLICATION NUMBER: 60/117,580
;; PRIOR FILING DATE: 1999-01-27
;; PRIOR APPLICATION NUMBER: 09/014,195
;; PRIOR FILING DATE: 1998-01-27
;; PRIOR APPLICATION NUMBER: 09/014,348
;; PRIOR FILING DATE: 1998-01-27
;; PRIOR APPLICATION NUMBER: 09/086,892
;; PRIOR FILING DATE: 1998-05-29
;; PRIOR APPLICATION NUMBER: 09/296,208
;; PRIOR FILING DATE: 1999-04-21
;; PRIOR APPLICATION NUMBER: 09/063,950
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 09/561,381
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 09/561,810
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 09/087,121
;; PRIOR FILING DATE: 1998-05-29
;; PRIOR APPLICATION NUMBER: 09/672,721
;; PRIOR FILING DATE: 2000-09-28
;; PRIOR APPLICATION NUMBER: 09/049,799
;; PRIOR FILING DATE: 1998-03-27
;; NUMBER OF SEQ ID NOS: 176
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 62
;; LENGTH: 605
;; TYPE: PRT
;; ORGANISM: *Papilio hamadryas*
US-09-782-980-62

Query Match
Best Local Similarity 79.1%; Score 34; DB 9; Length 605;
Pred. No. 3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 GRVRFH 7
DB 399 GRVRFH 404

RESULT 8
US-10-131-410-87
;; Sequence 87, Application US/10131410
;; Publication No. US20030235915A1
;; GENERAL INFORMATION:
;; APPLICANT: SPECHT, THOMAS
;; APPLICANT: HINZMANN, BERND
;; APPLICANT: SCHMITT, ARMIN
;; APPLICANT: PILARSKY, CHRISTIAN
;; APPLICANT: DAHL, EDGAR
;; APPLICANT: ROSENTHAL, ANDRE
;; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM TISSUE OF BREAST
;; TITLE OF INVENTION: TUMORS
;; FILE REFERENCE: SCH-1763
;; CURRENT APPLICATION NUMBER: US/10/131,410
;; CURRENT FILING DATE: 2002-04-25
;; PRIOR APPLICATION NUMBER: 09/646,673
;; PRIOR FILING DATE: 2000-09-20
;; PRIOR APPLICATION NUMBER: PCT/DE99/00508
;; PRIOR FILING DATE: 1999-03-19
;; NUMBER OF SEQ ID NOS: 202
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 87
;; LENGTH: 100
;; TYPE: PRT
;; ORGANISM: *Homo sapiens*
US-10-131-410-87

Query Match
Best Local Similarity 76.7%; Score 33; DB 15; Length 100;

Best Local Similarity 71.4%; Pred. No. 82;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 HGRVRPH 7
Db 77 HGRIGPH 83

RESULT 9

US-09-867-550-486
; Sequence 486, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehrabad, Foad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 486
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (13)
; OTHER INFORMATION: wherein Xaa may be any one of Arg or Ile or Lys or Thr
US-09-867-550-486

Query Match 74.4%; Score 32; DB 9; Length 86;
Best Local Similarity 71.4%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 HGRVRPH 7
Db 34 HGRVRDH 40

RESULT 10

US-10-369-493-17326
; Sequence 17326, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 17326
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Bacillus halodurans
US-10-369-493-17326

Query Match 74.4%; Score 32; DB 15; Length 249;
Best Local Similarity 83.3%; Pred. No. 3e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 GRYVRPH 7
Db 10 GRYVRPH 15

RESULT 11

US-09-934-455-30
; Sequence 30, Application US/09934455
; Publication No. US20030121070A1
; GENERAL INFORMATION:
; APPLICANT: Adam, Luc
; APPLICANT: Creelman, Robert
; APPLICANT: Dubell, Arnold
; APPLICANT: Heard, Jacqueline
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Keddle, James
; APPLICANT: Pilgrim, Marsha
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Reuber, Lynne
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Pineta, Omaira
; TITLE OF INVENTION: Genes for Modifying Plant Traits IV
; FILE REFERENCE: MBI-0025
; CURRENT APPLICATION NUMBER: US/09/934,455
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227439
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: MBI-0022
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: MBI-0023
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 516
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
; LENGTH: 308
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-09-934-455-30

Query Match 74.4%; Score 32; DB 10; Length 308;
Best Local Similarity 71.4%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 HGRVRPH 7
Db 127 HGVNTPH 133

RESULT 12

US-10-225-068-230
; Sequence 230, Application US/10225068
; Publication No. US20030217383A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Adam, Luc J.
; APPLICANT: Dubell, Arnold T.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Pineta, Omaira
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Brown, Pierre E.
; TITLE OF INVENTION: STRESS-RELATED POLYNUCLEOTIDES AND
; TITLE OF INVENTION: POLYPEPTIDES IN PLANTS
; FILE REFERENCE: 514442002040
; CURRENT APPLICATION NUMBER: US/10/225,068
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09

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; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 246
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 230
; LENGTH: 308
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (174)...(226)
; OTHER INFORMATION: Conserved domain
US-10-225-068-230

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```

Query Match          74.4%; Score 32; DB 15; Length 308;
Best Local Similarity 71.4%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy      1 HGRVRF 7
Db      127 HGVTFP 133

```

```

RESULT 13
US-10-374-780A-268
; Sequence 268, Application US/10374780A
; Publication No. US20040019927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddie, James
; APPLICANT: Brown, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell, Iit, Arnold T
; APPLICANT: Pineda, Omaira
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
; FILE REFERENCE: MBI-0047 CIP
; CURRENT APPLICATION NUMBER: US/10/374,780A
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: 09/837,944
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/934,455
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 10/225,066
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,067
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,068
; NUMBER OF SEQ ID NOS: 2906
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 268
; LENGTH: 308

```

```

; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G1363 (conserved domain in AA coordinates: 174-226)
US-10-374-780A-268

```

```

Query Match          74.4%; Score 32; DB 15; Length 308;
Best Local Similarity 71.4%; Pred. No. 3.7e+02;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

Qy      1 HGRVRF 7
Db      127 HGVTFP 133

```

```

RESULT 14
US-10-369-493-6893
; Sequence 6893, Application US/10369493
; Publication No. US2003023675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xiandeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 6893
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-369-493-6893

```

```

Query Match          74.4%; Score 32; DB 15; Length 318;
Best Local Similarity 83.3%; Pred. No. 3.8e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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```

Qy      2 GRVRF 7
Db      165 GRVRF 170

```

```

RESULT 15
US-10-094-749-2951
; Sequence 2951, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, TCHIRO
; APPLICANT: SEKI, NAOHITO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 08435/0160

```

; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2851
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-2951

Query Match 74.4%; Score 32; DB 15; Length 344;
Best Local Similarity 71.4%; Pred. No. 4.1e+02;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 HGRVPH 7
Db 184 HGGARPH 190

Search completed: March 1, 2004, 17:16:44
Job time : 23.1951 secs

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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:52:59 ; Search time 10.9268 Seconds
(without alignments)

33.073 Million cell updates/sec

Title: US-09-910-582b-4

Perfect score: 29
Sequence: 1 VVLVTSS 7

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database:

Issued Patents AA:*
1: /cgn2_6/prodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/prodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/prodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/prodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/prodata/2/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/prodata/2/1aa/backfilest.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	length	ID	Description
1	29	100.0	7	US-09-326-718-4	Sequence 4, Appl1
2	27	93.1	126	US-09-134-001C-3766	Sequence 3766, Ap
3	26	89.7	165	US-09-252-991A-11768	Sequence 31768, A
4	25	86.2	108	US-09-134-001C-5256	Sequence 5256, Ap
5	25	86.2	228	US-09-593-887-24	Sequence 24, Appl
6	25	86.2	247	US-08-961-083-170	Sequence 170, App
7	25	86.2	247	US-09-536-784-170	Sequence 170, App
8	25	86.2	361	US-09-252-991A-17277	Sequence 17277, A
9	25	86.2	469	US-09-252-991A-28286	Sequence 28286, A
10	25	86.2	543	US-09-252-991A-29078	Sequence 29078, A
11	25	86.2	554	US-09-321-276-4	Sequence 4, Appl1
12	25	86.2	554	US-08-916-481-2	Sequence 2, Appl1
13	25	86.2	563	US-08-916-481-3	Sequence 3, Appl1
14	25	86.2	576	US-09-328-352-8068	Sequence 8068, Ap
15	25	86.2	579	US-09-489-039A-12334	Sequence 12334, A
16	25	86.2	580	US-09-252-991A-23699	Sequence 23699, A
17	24	82.8	130	US-09-733-210-1517	Sequence 1517, Ap
18	24	82.8	130	US-09-489-039A-12993	Sequence 12993, A
19	24	82.8	158	US-09-198-452A-1242	Sequence 1242, Ap
20	24	82.8	165	US-08-858-207A-520	Sequence 520, App
21	24	82.8	199	PCT-US93-10418-4	Sequence 4, Appl1
22	24	82.8	218	US-09-328-352-4680	Sequence 4680, Ap
23	24	82.8	223	US-09-328-352-8104	Sequence 8104, Ap
24	24	82.8	240	US-09-252-991A-29373	Sequence 29373, A
25	24	82.8	241	US-09-489-039A-8397	Sequence 8397, Ap
26	24	82.8	326	US-08-306-511A-10	Sequence 10, Appl
27	24	82.8	326	US-08-893-274-10	Sequence 10, Appl

28	24	82.8	326	US-08-581-978A-10	Sequence 10, Appl
29	24	82.8	326	US-08-346-147B-10	Sequence 10, Appl
30	24	82.8	326	US-08-822-936-10	Sequence 10, Appl
31	24	82.8	326	US-08-497-214D-10	Sequence 10, Appl
32	24	82.8	326	US-09-016-750C-10	Sequence 10, Appl
33	24	82.8	326	PCT-US95-04636-10	Sequence 10, Appl
34	24	82.8	331	US-08-258-188-5	Sequence 5, Appl1
35	24	82.8	331	US-08-526-813-5	Sequence 5, Appl1
36	24	82.8	331	PCT-US93-08554-5	Sequence 5, Appl1
37	24	82.8	450	US-08-788-800-12	Sequence 12, Appl
38	24	82.8	469	US-07-934-373C-23	Sequence 23, Appl
39	24	82.8	469	US-08-437-642B-23	Sequence 23, Appl
40	24	82.8	469	US-08-146-206C-23	Sequence 23, Appl
41	24	82.8	469	US-09-705-686-23	Sequence 23, Appl
42	24	82.8	524	US-09-800-170-13	Sequence 13, Appl
43	24	82.8	532	US-08-140-729A-3	Sequence 3, Appl1
44	24	82.8	532	US-08-546-666-3	Sequence 3, Appl1
45	24	82.8	532	US-08-916-745-3	Sequence 3, Appl1

ALIGNMENTS

RESULT 1
US-09-326-718-4
; Sequence 4, Application US/09326718
; Patent No. 6303573
; GENERAL INFORMATION:
; APPLICANT: Ruslan, Erki
; APPLICANT: Mackenna, Deidre A.
; TITLE OF INVENTION: Heart Homing Peptides and Methods of
; FILE REFERENCE: P-1/3512
; CURRENT APPLICATION NUMBER: US/09/326,718
; CURRENT FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
US-09-326-718-4

Query Match 100.0%; Score 29; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
DB 1 VVLVTSS 7

RESULT 2
US-09-134-001C-3766
; Sequence 3766, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3766
; LENGTH: 126
; TYPE: PRT

ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3766

Query Match 93.1%; Score 27; DB 4; Length 126;
Best Local Similarity 71.4%; Pred. No. 1e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|:|:|:|:
DB 115 VILITSS 121

RESULT 3
US-09-252-991A-31768

Sequence 31768, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
FILE REFERENCE: 107196.136
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 31768
LENGTH: 165
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31768

Query Match 89.7%; Score 26; DB 4; Length 165;
Best Local Similarity 85.7%; Pred. No. 2.2e+02;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|:|:|:|:
DB 133 VVLVTSS 139

RESULT 4
US-09-134-001C-5256
Sequence 5256, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 5256
LENGTH: 108
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5256

Query Match 86.2%; Score 25; DB 4; Length 108;
Best Local Similarity 71.4%; Pred. No. 2.3e+02;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|:|:|:|:
DB 14 VVLVTSS 20

RESULT 5
US-09-593-887-24

Sequence 24, Application US/09593887
Patent No. 6607914
GENERAL INFORMATION:
APPLICANT: Belyavsky, Alexander
APPLICANT: Popsueva, Anna
APPLICANT: Luchinskaya, Natalia
TITLE OF INVENTION: CAMELLO GENE FAMILY AND USES THEREOF
FILE REFERENCE: 63475/258
CURRENT APPLICATION NUMBER: US/09/593,887
CURRENT FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: US 09/333,229
PRIOR FILING DATE: 1999-06-14
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn version 3.0
SEQ ID NO 24
LENGTH: 228
TYPE: PRT
ORGANISM: Rattus sp.
US-09-593-887-24

Query Match 86.2%; Score 25; DB 4; Length 228;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 6
|:|:|:|:
DB 173 VVLVTSS 178

RESULT 6
US-08-961-083-170

Sequence 170, Application US/08961083
Patent No. 5159469
GENERAL INFORMATION:
APPLICANT: Choi et. al.
TITLE OF INVENTION: Streptococcus pneumoniae Antigenes and Vaccines
NUMBER OF SEQUENCES: 452
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,083
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 170:
SEQUENCE CHARACTERISTICS:
LENGTH: 247 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-961-083-170

Query Match

Best Local Similarity 86.2%; Score 25; DB 3; Length 247;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;QY 1 VLVLTSS 7
DB 80 VLVLTSS 86

RESULT 7

US-09-536-784-170
Sequence 170, Application US/09536784
Patent No. 6573082

GENERAL INFORMATION:

APPLICANT: Choi et. al.

TITLE OF INVENTION: Streptococcus pneumoniae Antigenes and Vaccines

NUMBER OF SEQUENCES: 452

CORRESPONDENCE ADDRESSES:

ADDRESSER: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

CITY: Rockville

STATE: Maryland

COUNTRY: USA

ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2

SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/536,784

FILING DATE: 30-Oct-1997

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/961,083

FILING DATE: OCT-30-1997

ATTORNEY/AGENT INFORMATION:

NAME: Michelle S. Marks

REGISTRATION NUMBER: 41,971

REFERENCE/DOCKET NUMBER: PB340P3

TELECOMMUNICATION INFORMATION:

TELEPHONE: (301) 309-8504

TELEFAX: (301) 309-8512

INFORMATION FOR SEQ ID NO: 170:

SEQUENCE CHARACTERISTICS:

LENGTH: 247 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 170:

US-09-536-784-170

Query Match

Best Local Similarity 86.2%; Score 25; DB 4; Length 247;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;QY 1 VLVLTSS 7
DB 80 VLVLTSS 86

RESULT 8

US-09-252-991A-17277
Sequence 17277, Application US/09252991A
Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

PRIOR FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO: 17277

LENGTH: 361

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-17277

Query Match

Best Local Similarity 86.2%; Score 25; DB 4; Length 361;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;QY 1 VLVLTSS 7
DB 192 ILVLTSS 198

RESULT 9

US-09-252-991A-28286
Sequence 28286, Application US/09252991A
Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO: 28286

LENGTH: 469

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

FEATURE:

NAME/KEY: UNSURE

LOCATION: (421)

OTHER INFORMATION: Identity of amino acid at the above locations are unknown.

US-09-252-991A-28286

Query Match

Best Local Similarity 86.2%; Score 25; DB 4; Length 469;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;QY 2 VLVLTSS 7
DB 326 VLVLTSS 331

RESULT 10

US-09-252-991A-29078
Sequence 29078, Application US/09252991A
Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 29078
LENGTH: 543
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-255-991A-29078

Query Match 86.2%; Score 25; DB 4; Length 543;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VLVYSS 7
Db 383 VLVYSS 388

RESULT 11
US-09-321-276-4
Sequence 4, Application US/09321276
Patent No. 6224869
GENERAL INFORMATION:
APPLICANT: Wallis, Nicola
TITLE OF INVENTION: NOVEL RESPONSE REGULATOR
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSER: Dechert Price & Rhoads
STREET: 997 Lenox Drive, Building 3, Suite 210
CITY: Lawrenceville
STATE: NJ
COUNTRY: USA
ZIP: 08543

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/321,276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/879,531
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFERENCE/DOCKET NUMBER: GM10018
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-520-3214
TELEFAX: 609-520-3259
TELEX:

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 554 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-321-276-4

Query Match 86.2%; Score 25; DB 3; Length 554;
Best Local Similarity 85.7%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 VLVYSS 7
Db 99 VLVYSS 105

RESULT 12
US-08-916-481-2
Sequence 2, Application US/08916481
Patent No. 6270991
GENERAL INFORMATION:
APPLICANT: Wallis, Nicola G.

TITLE OF INVENTION: NOVEL histidine kinase
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSER: Dechert Price & Rhoads
STREET: 4000 Bell Atlantic Tower, 1717 Arch Stre
CITY: Philadelphia
STATE: PA
COUNTRY: US
ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/916,481
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dickinson, Todd O
REGISTRATION NUMBER: 28,354
REFERENCE/DOCKET NUMBER: GM10022-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-994-2252
TELEFAX: 215-994-2222
TELEX:

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 554 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-916-481-2

Query Match 86.2%; Score 25; DB 3; Length 554;
Best Local Similarity 85.7%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 VLVYSS 7
Db 99 VLVYSS 105

RESULT 13
US-08-916-481-3
Sequence 3, Application US/08916481
Patent No. 6270991
GENERAL INFORMATION:
APPLICANT: Wallis, Nicola G.
TITLE OF INVENTION: NOVEL histidine kinase
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSER: Dechert Price & Rhoads
STREET: 4000 Bell Atlantic Tower, 1717 Arch Stre
CITY: Philadelphia
STATE: PA
COUNTRY: US
ZIP: 19103

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/916,481
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Dickinson, Todd O
REGISTRATION NUMBER: 28,354
REFERENCE/DOCKET NUMBER: GML0022-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-994-2252
TELEFAX: 215-994-2222
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 563 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-916-481-3

Query Match 86.2%; Score 25; DB 3; Length 563;
Best Local Similarity 85.7%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 VVLVTS 7
Db 108 VVLVTKS 114

RESULT 14
US-09-328-352-8068
Sequence 8068, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 8068
LENGTH: 576
TYPE: PRT
ORGANISM: Acinetobacter baumannii
US-09-328-352-8068

Query Match 86.2%; Score 25; DB 4; Length 576;
Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTS 6
Db 72 VVLVTS 77

RESULT 15
US-09-489-039A-12334
Sequence 12334, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709.2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIORITY APPLICATION NUMBER: US 60/117,747
PRIORITY FILING DATE: 1998-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO 12334
LENGTH: 579
TYPE: PRT
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-12334

Query Match 86.2%; Score 25; DB 4; Length 579;

Best Local Similarity 100.0%; Pred. No. 1.2e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTS 6
Db 75 VVLVTS 80

Search completed: March 1, 2004, 16:59:06
Job time: 11.9268 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 22.1951 Seconds

(without alignments)
66.594 Million cell updates/sec

Title: US-09-910-582b-4

Perfect score: 29

Sequence: 1 VVLVTSS 7

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
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17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	29	100.0	7	US-09-782-650-3	Sequence 3, Appl1
2	29	100.0	7	US-09-910-582b-4	Sequence 4, Appl1
3	29	100.0	498	US-10-128-714-3581	Sequence 581, Ap
4	29	100.0	522	US-10-128-714-8581	Sequence 858, Ap
5	26	89.7	83	US-09-738-626-5150	Sequence 5150, Ap
6	26	89.7	107	US-10-029-386-28502	Sequence 28502, A
7	26	89.7	188	US-09-738-626-5545	Sequence 5545, Ap
8	26	89.7	310	US-10-344-440-1	Sequence 1, Appl1
9	26	89.7	516	US-10-132-089-2	Sequence 2, Appl1
10	26	89.7	532	US-10-132-089-4	Sequence 4, Appl1
11	26	89.7	537	US-10-132-089-6	Sequence 6, Appl1
12	26	89.7	633	US-10-116-275-175	Sequence 175, App
13	26	89.7	736	US-10-060-230-24	Sequence 24, Appl
14	26	89.7	871	US-10-205-219-171	Sequence 171, App
15	26	89.7	874	US-10-205-823-232	Sequence 232, App

16	26	89.7	905	US-10-320-797-3318	Sequence 3318, Ap
17	25	86.2	48	US-09-769-744-115	Sequence 195, App
18	25	86.2	88	US-09-864-408-932	Sequence 932, App
19	25	86.2	243	US-09-815-242-12739	Sequence 12739, A
20	25	86.2	247	US-09-765-272-170	Sequence 170, App
21	25	86.2	272	US-10-156-761-10426	Sequence 10426, A
22	25	86.2	287	US-09-882-227-216	Sequence 216, App
23	25	86.2	295	US-10-127-032-115	Sequence 115, App
24	25	86.2	299	US-09-861-451A-36	Sequence 36, Appl
25	25	86.2	343	US-10-156-761-9520	Sequence 9520, Ap
26	25	86.2	350	US-10-156-761-12017	Sequence 12017, A
27	25	86.2	410	US-10-050-704-141	Sequence 141, App
28	25	86.2	453	US-10-369-493-6316	Sequence 6316, Ap
29	25	86.2	457	US-09-815-242-11616	Sequence 11616, A
30	25	86.2	457	US-09-882-227-3394	Sequence 3394, App
31	25	86.2	521	US-10-131-410-117	Sequence 117, App
32	25	86.2	553	US-09-815-242-5778	Sequence 5778, Ap
33	25	86.2	554	US-09-800-396-4	Sequence 4, Appl1
34	25	86.2	554	US-09-878-672-2	Sequence 2, Appl1
35	25	86.2	560	US-10-369-493-12899	Sequence 12899, A
36	25	86.2	563	US-09-878-672-3	Sequence 3, Appl1
37	25	86.2	563	US-09-769-787-27	Sequence 27, Appl
38	25	86.2	563	US-09-769-787-28	Sequence 28, Appl
39	25	86.2	564	US-10-131-410-180	Sequence 180, App
40	25	86.2	574	US-09-815-242-12045	Sequence 12045, A
41	25	86.2	604	US-09-815-242-10022	Sequence 10022, A
42	25	86.2	606	US-10-369-493-3544	Sequence 3544, Ap
43	25	86.2	687	US-10-369-493-1884	Sequence 1884, Ap
44	25	86.2	785	US-10-369-493-15709	Sequence 15709, A
45	25	86.2	785	US-10-369-493-16099	Sequence 16099, A

ALIGNMENTS

```
RESULT 1
US-09-782-650-3
; Sequence 3, Application US/09782650
; Patent No. US20020019350A1
; GENERAL INFORMATION:
; APPLICANT: Levine, Arnold J.
; APPLICANT: Mitterer, Artur
; APPLICANT: Falkner, Falko-Gunter
; APPLICANT: Scheiflinger, Friedrich
; APPLICANT: Dornier, Friedrich
; APPLICANT: Edwards Lifesciences Corporation
; TITLE OF INVENTION: Targeted Angiogenesis
; FILE REFERENCE: 20551D-000611US
; CURRENT APPLICATION NUMBER: US/09/782,650
; PRIORITY FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: US 09/324,079
; PRIOR FILING DATE: 1999-06-01
; PRIOR APPLICATION NUMBER: US 09/327,045
; PRIOR FILING DATE: 1999-06-07
; PRIOR APPLICATION NUMBER: PCT/US00/14988
; PRIOR FILING DATE: 2000-05-31
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:targeting
US-09-782-650-3
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Query Match 100.0%; Score 29; DB 9; Length 7;
Best Local Similarity 100.0%; Pred. No. 7; le+05;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|||||||

Db 1 VVLVTSS 7

RESULT 2

US-09-910-582B-4
; Sequence 4, Application US/09910582B
; Publication No. US20030045476A1
; GENERAL INFORMATION:
; APPLICANT: Ruostelä, Erkki
; APPLICANT: Mackenna, Deirdre A.
; TITLE OF INVENTION: Heart Homing Conjugates
; FILE REFERENCE: P-LJ 4857
; CURRENT APPLICATION NUMBER: US/09/910,582B
; PRIOR FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/326,718
; PRIOR FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-910-582B-4

Query Match 100.0%; Score 29; DB 10; Length 7;

Best Local Similarity 100.0%; Pred. No. 7.1e+05; Indels 0; Gaps 0;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLVTSS 7

Db 1 VVLVTSS 7

RESULT 3

US-10-128-714-3581
; Sequence 3581, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Meng
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Eroskin, Alexey M
; APPLICANT: Lemieux, Sebastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,697
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/303,899
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/316,362
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3581
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Aspergillus fumigatus
US-10-128-714-3581

Query Match 100.0%; Score 29; DB 14; Length 498;

Best Local Similarity 100.0%; Pred. No. 2.7e+02; Indels 0; Gaps 0;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLVTSS 7
Db 207 VVLVTSS 213

RESULT 4

US-10-128-714-8581
; Sequence 8581, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Meng
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Eroskin, Alexey M
; APPLICANT: Lemieux, Sebastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,697
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/303,899
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/316,362
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8581
; LENGTH: 522
; TYPE: PRT
; ORGANISM: Aspergillus fumigatus
US-10-128-714-8581

Query Match 100.0%; Score 29; DB 14; Length 522;

Best Local Similarity 100.0%; Pred. No. 2.8e+02; Indels 0; Gaps 0;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVLVTSS 7

Db 207 VVLVTSS 213

RESULT 5

US-09-738-626-5150
; Sequence 5150, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1998-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03

NUMBER OF SEQ ID NOS: 7059
SOFTWARE: PatentIn ver. 3.0
SEQ ID NO 5150
LENGTH: 83
TYPE: PRT
ORGANISM: Corynebacterium glutamicum
US-09-738-626-5150

Query Match 89.7%; Score 26; DB 9; Length 83;
Best Local Similarity 85.7%; Pred. No. 1.9e+02;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
:|||||
Db 43 VVLVTSA 49

RESULT 6
US-10-029-386-28502
Sequence 28502, Application US/10029386
Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
FILE REFERENCE: AEOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 28502
LENGTH: 107
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO CHR17.1
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 10
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 9.6
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.5
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 9.1
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 9.6
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 10
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 8.8
OTHER INFORMATION: SWISSPROT HIT: O15353, EVALUATE 7.00e-26
US-10-029-386-28502

Query Match 89.7%; Score 26; DB 14; Length 107;
Best Local Similarity 85.7%; Pred. No. 2.4e+02;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
:|||||
Db 18 VVLVTSS 24

RESULT 7
US-09-738-626-5345
Sequence 5345, Application US/09738626
Publication No. US20020197665A1
GENERAL INFORMATION:
APPLICANT: NAKAGAWA, SATOSHI
APPLICANT: MIZOGUCHI, HIROSHI
APPLICANT: ANDO, SEIKO
APPLICANT: HAYASHI, MIKIRO
APPLICANT: OCHIAI, KEIKO
APPLICANT: YOKOI, HARUHIKO
APPLICANT: TATEISHI, NAOKO
APPLICANT: SENOH, AKIHIRO
APPLICANT: IKEDA, MASATO
APPLICANT: OZAKI, AKIO

TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-125
CURRENT APPLICATION NUMBER: US/09/738,626
CURRENT FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: JP 99/377484
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: JP 00/159162
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: JP 00/280988
PRIOR FILING DATE: 2000-08-03
NUMBER OF SEQ ID NOS: 7059
SOFTWARE: PatentIn ver. 3.0
SEQ ID NO 5345
LENGTH: 188
TYPE: PRT
ORGANISM: Corynebacterium glutamicum
US-09-738-626-5345

Query Match 89.7%; Score 26; DB 9; Length 188;
Best Local Similarity 57.1%; Pred. No. 4.4e+02;
Matches 4; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
:|||||
Db 16 ILLITSS 22

RESULT 8
US-10-344-440-1
Sequence 1, Application US/10344440
Publication No. US2003013178A1
GENERAL INFORMATION:
APPLICANT: Aroian, Raffi
TITLE OF INVENTION: METHODS FOR BLOCKING RESISTANCE TO BT TOXINS IN INSECTS AND NEW
FILE REFERENCE: 6627-PA1093
CURRENT APPLICATION NUMBER: US/10/344,440
CURRENT FILING DATE: 2003-02-10
PRIOR APPLICATION NUMBER: 60/224,941
PRIOR FILING DATE: 2000-08-11
PRIOR APPLICATION NUMBER: PCT/US01/41687
PRIOR FILING DATE: 2001-08-10
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 310
TYPE: PRT
ORGANISM: Homo sapiens
US-10-344-440-1

Query Match 89.7%; Score 26; DB 14; Length 310;
Best Local Similarity 85.7%; Pred. No. 7.4e+02;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
:|||||
Db 60 VVLVTSS 66

RESULT 9
US-10-132-089-2
Sequence 2, Application US/10132089
Publication No. US20030166893A1
GENERAL INFORMATION:
APPLICANT: Hu, Yi
APPLICANT: Burnett, Michael
TITLE OF INVENTION: NO. US20030166893A1 Human Nuclear Transporters and Polynucleot
FILE REFERENCE: LEX-0335-USA
CURRENT APPLICATION NUMBER: US/10/132,089
CURRENT FILING DATE: 2002-04-24
PRIOR APPLICATION NUMBER: US 60/287,641
PRIOR FILING DATE: 2001-04-30
NUMBER OF SEQ ID NOS: 7

SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 516
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-132-089-2

Query Match 89.7%; Score 26; DB 14; Length 516;
Best Local Similarity 85.7%; Pred. No. 1.3e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|||:|
Db 289 VVLMTSS 295

RESULT 10
US-10-132-089-4
; Sequence 4, Application US/10132089
; Publication No. US20030166893A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Yi
; APPLICANT: Burnett, Michael
; TITLE OF INVENTION: No. US20030166893A1 Human Nuclear Transporters and Polynucleot
; FILE REFERENCE: LEX-0335-USA
; CURRENT APPLICATION NUMBER: US/10/132,089
; CURRENT FILING DATE: 2002-04-24/287,641
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 532
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-132-089-4

Query Match 89.7%; Score 26; DB 14; Length 532;
Best Local Similarity 85.7%; Pred. No. 1.3e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|||:|
Db 305 VVLMTSS 311

RESULT 11
US-10-132-089-6
; Sequence 6, Application US/10132089
; Publication No. US20030166893A1
; GENERAL INFORMATION:
; APPLICANT: Hu, Yi
; APPLICANT: Burnett, Michael
; TITLE OF INVENTION: No. US20030166893A1 Human Nuclear Transporters and Polynucleot
; FILE REFERENCE: LEX-0335-USA
; CURRENT APPLICATION NUMBER: US/10/132,089
; CURRENT FILING DATE: 2002-04-24
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 537
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-132-089-6

Query Match 89.7%; Score 26; DB 14; Length 537;
Best Local Similarity 85.7%; Pred. No. 1.3e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|||:|
Db 310 VVLMTSS 316

RESULT 12
US-10-116-275-175
; Sequence 175, Application US/10116275
; Publication No. US20030211476A1
; GENERAL INFORMATION:
; APPLICANT: Elian Pharmaceutical Technology
; APPLICANT: O'Mahony, Daniel J.
; APPLICANT: Brayden, David
; APPLICANT: Byrne, Daragh
; APPLICANT: Lambkin, Imelda
; APPLICANT: Higgins, Lisa
; TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and
; FILE REFERENCE: E1067/20087
; CURRENT APPLICATION NUMBER: US/10/116,275
; CURRENT FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 175
; LENGTH: 633
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-116-275-175

Query Match 89.7%; Score 26; DB 15; Length 633;
Best Local Similarity 85.7%; Pred. No. 1.5e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|||:|
Db 86 VVLMTSS 92

RESULT 13
US-10-060-230-24
; Sequence 24, Application US/10060230
; Publication No. US20020173014A1
; GENERAL INFORMATION:
; APPLICANT: HILTUNEN, Kalevo
; TITLE OF INVENTION: A method to control cellular (3R)-hydroxyacyl-CoA
; FILE REFERENCE: 0365-0528P
; CURRENT APPLICATION NUMBER: US/10/060,230
; CURRENT FILING DATE: 2002-02-01
; PRIOR FILING DATE: 1999-08-03
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 736
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-230-24

Query Match 89.7%; Score 26; DB 13; Length 736;
Best Local Similarity 85.7%; Pred. No. 1.8e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
|||:|
Db 11 VVLMTSA 17

RESULT 14
US-10-205-219-171
; Sequence 171, Application US/10205219
; Publication No. US20030138803A1

GENERAL INFORMATION:
APPLICANT: Warner-Lambert Company
APPLICANT: Lee, Kevin
APPLICANT: Dixon, Alister
APPLICANT: Brooksbank, Robert
APPLICANT: Fimlock, Robert
TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
FILE REFERENCE: WL-A-018200
CURRENT APPLICATION NUMBER: US/10/205,219
CURRENT FILING DATE: 2002-07-24
PRIOR APPLICATION NUMBER: GB 0118354.0
PRIOR FILING DATE: 2001-07-27
NUMBER OF SEQ ID NOS: 197
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 171
LENGTH: 871
TYPE: PRT
ORGANISM: Rattus norvegicus
FEATURE:
OTHER INFORMATION: Cop32
US-10-205-219-171

Query Match 89.7%; Score 26; DB 14; Length 871;
Best Local Similarity 71.4%; Pred. No. 2.2e+03;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVLVTSS 7
Db 102 VIVTSS 108

RESULT 15
US-10-205-823-232
Sequence 232, Application US/10205823
Publication No. US20030108963A1
GENERAL INFORMATION:
APPLICANT: Schlegel, Robert
APPLICANT: Nohanan, John E.
APPLICANT: Endege, Wilson O.
APPLICANT: Ganavapur, Manjula
APPLICANT: Gorbacheva, Bella
APPLICANT: Hoersch, Sebastian
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Wensey, Angela M.
APPLICANT: Glatc, Karen
APPLICANT: Zhao, Xumei
APPLICANT: Anderson, Dustin
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
FILE REFERENCE: MRI-044
CURRENT APPLICATION NUMBER: US/10/205,823
CURRENT FILING DATE: 2002-07-25
PRIOR APPLICATION NUMBER: 60/307,982
PRIOR FILING DATE: 2001-07-25
PRIOR APPLICATION NUMBER: 60/314,356
PRIOR FILING DATE: 2001-06-22
PRIOR APPLICATION NUMBER: 60/325,020
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: 60/341,746
PRIOR FILING DATE: 2001-12-12
PRIOR APPLICATION NUMBER: 60/362,158
PRIOR FILING DATE: 2002-03-05
NUMBER OF SEQ ID NOS: 455
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 232
LENGTH: 874
TYPE: PRT
ORGANISM: Homo sapiens
US-10-205-823-232

Query Match 89.7%; Score 26; DB 14; Length 874;
Best Local Similarity 71.4%; Pred. No. 2.2e+03;

Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 VVLVTSS 7
Db 102 VIVTSS 108

Search completed: March 1, 2004, 17:16:45
Job time: 23.1951 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:52:59 ; Search time 12.4878 Seconds
(without alignments)
33.073 Million cell updates/sec

Title: US-09-910-582b-9

Perfect score: 51

Sequence: 1 CLHRGNSC 8

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database: Issued Patents, AA:
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2: /cgn2_6/prodata/2/1aa/5B.COMB.pep:*
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4: /cgn2_6/prodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/prodata/2/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/prodata/2/1aa/Backfilltest.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	51	100.0	8	4	US-09-326-718-9
2	36	70.6	99	3	US-08-985-950-4
3	36	70.6	99	4	US-09-546-049-4
4	36	70.6	140	4	US-09-621-976-7010
5	35.5	69.6	72	1	US-08-280-443-4
6	35.5	69.6	72	1	US-08-457-459-4
7	35.5	69.6	72	1	US-08-555-678-4
8	35.5	69.6	72	5	PCR-US95-02275-4
9	35.5	69.6	1226	1	US-08-280-443-2
10	35.5	69.6	1226	1	US-08-457-459-2
11	35.5	69.6	1226	1	US-08-555-678-2
12	35.5	69.6	1226	5	PCR-US95-02275-2
13	35	68.6	3084	4	US-09-562-702A-12
14	35	68.6	3084	4	US-09-562-702A-8
15	35	68.6	3089	4	US-09-562-702A-4
16	35	68.6	3106	4	US-09-562-702A-10
17	35	68.6	3110	4	US-09-562-702A-2
18	35	68.6	3110	4	US-09-562-702A-6
19	35	68.6	3110	4	US-09-562-702A-7
20	35	68.6	3111	2	US-08-460-309-4
21	35	68.6	3111	2	US-08-125-077-4
22	34	66.7	34	3	US-08-810-009-25
23	34	66.7	34	3	US-09-716-490-25
24	34	66.7	385	4	US-09-587-754-2
25	34	66.7	386	3	US-09-058-725B-4
26	34	66.7	386	3	US-09-232-857-4
27	34	66.7	389	2	US-08-789-354-2

28	34	66.7	389	3	US-09-110-937-2	Sequence 2, Appli
29	34	66.7	389	3	US-09-058-725B-2	Sequence 2, Appli
30	34	66.7	389	3	US-09-232-857-2	Sequence 2, Appli
31	33	64.7	26	4	US-09-288-143-159	Sequence 159, App
32	33	64.7	47	4	US-09-445-774-22	Sequence 22, Appli
33	33	64.7	69	4	US-09-540-236-3160	Sequence 3160, Ap
34	33	64.7	77	3	US-09-246-500B-2	Sequence 2, Appli
35	33	64.7	91	4	US-08-311-731A-397	Sequence 397, App
36	33	64.7	303	4	US-09-564-595D-57	Sequence 57, Appli
37	33	64.7	317	4	US-09-564-595D-56	Sequence 56, Appli
38	33	64.7	345	4	US-09-040-220D-2	Sequence 2, Appli
39	33	64.7	345	4	US-09-457-066-2	Sequence 2, Appli
40	33	64.7	345	4	US-09-457-066-43	Sequence 43, Appli
41	33	64.7	345	4	US-09-265-686-2	Sequence 2, Appli
42	33	64.7	345	4	US-09-540-224-5	Sequence 5, Appli
43	33	64.7	345	4	US-09-564-595D-33	Sequence 33, Appli
44	33	64.7	345	4	US-09-564-595D-35	Sequence 35, Appli
45	33	64.7	345	4	US-09-706-968-2	Sequence 2, Appli

ALIGNMENTS

```

RESULT 1
US-09-326-718-9
; Sequence 9, Application US/09326718
; Patent No. 6303573
; GENERAL INFORMATION:
; APPLICANT: Ruselanti, Erkki
; APPLICANT: Mackenna, Deirdre A.
; TITLE OF INVENTION: Heart Homing Peptides and Methods of
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: P-1J 3512
; CURRENT APPLICATION NUMBER: US/09/326,718
; CURRENT FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-326-718-9

Query Match      100.0%; Score 51; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CLHRGNSC 8
DB      1 CLHRGNSC 8

RESULT 2
US-08-985-950-4
; Sequence 4, Application US/08985950
; Patent No. 6140076
; GENERAL INFORMATION:
; APPLICANT: Aelma, Gosse Jan
; TITLE OF INVENTION: Isolated Mammalian Monocyte Cell Genes;
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESS: DMAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/985,950
FILING DATE: 05-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/041,279
FILING DATE: 21-MARCH-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/033,181
FILING DATE: 16-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/032,252
FILING DATE: 06-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0670K
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1204
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 99 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-985-950-4

Query Match 70.6%; Score 36; DB 3; Length 99;
Best Local Similarity 85.7%; Pred. No. 28;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 C1HRGNS 7
Db 12 C1HRGNS 18

RESULT 3
US-09-546-049-4
Sequence 4, Application US/09546049
Patent No. 6479638
GENERAL INFORMATION:
APPLICANT: Adema, Gosse Jan
Meyard, Linde
Gelman, Daniel M.
McClanahan, Terrill K.
Zurawski, Gerard
Lanier, Lewis L.
Phillips Jr., Joseph H.
TITLE OF INVENTION: Isolated Mammalian Monocyte Cell Genes;
Related Reagents
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: DMAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/546,049
FILING DATE: 10-APR-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/985,950
FILING DATE: 05-DEC-1997
APPLICATION NUMBER: US 60/041,279

FILING DATE: 21-MARCH-1997
APPLICATION NUMBER: US 60/033,181
FILING DATE: 16-DEC-1996
APPLICATION NUMBER: US 60/032,252
FILING DATE: 06-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0670K
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1204
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 99 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-546-049-4

Query Match 70.6%; Score 36; DB 4; Length 99;
Best Local Similarity 85.7%; Pred. No. 28;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 C1HRGNS 7
Db 12 C1HRGNS 18

RESULT 4
US-09-621-976-7010
Sequence 4, Application US/09621976
Patent No. 6639063
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTs and Encoded Human Proteins.
FILE REFERENCE: GENSET 054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 7010
LENGTH: 140
TYPE: PRT
ORGANISM: Homo sapiens
US-09-621-976-7010

Query Match 70.6%; Score 36; DB 4; Length 140;
Best Local Similarity 71.4%; Pred. No. 39;
Matches 5; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 2 LHRGNSC 8
Db 51 VHRGNTC 57

RESULT 5
US-08-280-443-4
Sequence 4, Application US/08280443
Patent No. 5643778
GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania

COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/280,443
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: WST49AUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-280-443-4

Query Match 69.6%; Score 35.5; DB 1; Length 72;
Best Local Similarity 66.7%; Pred. No. 25;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
Db 10 CMHKGNSC 18

RESULT 6
US-08-457-459-4
Sequence 4, Application US/08457459
Patent No. 5677428
GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,459
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: WST49CUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-457-459-4

TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-457-459-4

Query Match 69.6%; Score 35.5; DB 1; Length 72;
Best Local Similarity 66.7%; Pred. No. 25;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
Db 10 CMHKGNSC 18

RESULT 7
US-08-555-678-4
Sequence 4, Application US/08555678
Patent No. 5763174
GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods
NUMBER OF SEQUENCES: 67
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/555,678
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/457,459
FILING DATE: 01-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: WST49DUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-555-678-4

Query Match 69.6%; Score 35.5; DB 1; Length 72;
Best Local Similarity 66.7%; Pred. No. 25;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
|:|:|
Db 10 CMHKLGNCS 18

RESULT 8
PCT-US95-02275-4
Sequence 4, Application PC/TUS9502275

GENERAL INFORMATION:
APPLICANT: Wistar Institute of Anatomy & Biology
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/02275

FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.

REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: MST49BPCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown

MOLECULE TYPE: protein
PCT-US95-02275-4

Query Match 69.6%; Score 35.5; DB 5; Length 72;
Best Local Similarity 66.7%; Pred. No. 25;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
|:|:|
Db 10 CMHKLGNCS 18

RESULT 9
US-08-280-443-2
Sequence 2, Application US/08280443

GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457

CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/280,443

FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994

ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: MST49AUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1226 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-280-443-2

Query Match 69.6%; Score 35.5; DB 1; Length 1226;
Best Local Similarity 66.7%; Pred. No. 3.6e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
|:|:|
Db 622 CMHKLGNCS 630

RESULT 10
US-08-457-459-2
Sequence 2, Application US/08457459

GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,459

FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994

ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.

REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: WST49CUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1226 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-457-459-2

Query Match 69.6%; Score 35.5; DB 1; Length 1226;
Best Local Similarity 66.7%; Pred. No. 3.6e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
DB 622 CMKLGNSC 630

RESULT 11
US-08-555-678-2
Sequence 2, Application US/08555678
Patent No. 5763174
GENERAL INFORMATION:
APPLICANT: Nishikura, Kazuko
TITLE OF INVENTION: RNA Editing Enzyme and Methods
NUMBER OF SEQUENCES: 67
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/555,678
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/457,459
FILING DATE: 01-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: WST49DUSA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1226 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-555-678-2

Query Match 69.6%; Score 35.5; DB 1; Length 1226;
Best Local Similarity 66.7%; Pred. No. 3.6e+02;

Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;
QY 1 CLHR-GNSC 8
DB 622 CMKLGNSC 630

RESULT 12
PCT-US95-02275-2
Sequence 2, Application PC/TUS9502275
GENERAL INFORMATION:
APPLICANT: Wistar Institute of Anatomy & Biology
TITLE OF INVENTION: RNA Editing Enzyme and Methods of Use
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, P.O. Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/02275
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/280,443
FILING DATE: 25-JUL-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/197,794
FILING DATE: 17-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: WST49BPCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9206
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1226 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-02275-2

Query Match 69.6%; Score 35.5; DB 5; Length 1226;
Best Local Similarity 66.7%; Pred. No. 3.6e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
DB 622 CMKLGNSC 630

RESULT 13
US-09-562-702A-12
Sequence 12, Application US/09562702A
Patent No. 6632790
GENERAL INFORMATION:
APPLICANT: Vurchenco, Peter
TITLE OF INVENTION: laminin 2 and Methods for its Use
FILE REFERENCE: 99-274-B
CURRENT APPLICATION NUMBER: US/09/562,702A
CURRENT FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: 60/155,945
PRIOR FILING DATE: 1999-09-24

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; PRIOR APPLICATION NUMBER: 60/143,289
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/139,198
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/131,720
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO: 12
; LENGTH: 3084
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-562-702A-12

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Query Match      68.6%; Score 35; DB 4; Length 3084;
Best Local Similarity 62.5%; Pred. No. 1e+03;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
Db      990 CSHLGNNC 997

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RESULT 14
US-09-562-702A-8
; Sequence 8, Application US/09562702A
; Patent No. 6632790
; GENERAL INFORMATION:
; APPLICANT: Yurchenco, Peter
; TITLE OF INVENTION: Laminin 2 and Methods for Its Use
; FILE REFERENCE: 99-274-B
; CURRENT APPLICATION NUMBER: US/09/562,702A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/155,945
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 60/143,289
; PRIOR FILING DATE: 1999-07-12
; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/139,198
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO: 8
; LENGTH: 3088
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-562-702A-8

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Query Match      68.6%; Score 35; DB 4; Length 3088;
Best Local Similarity 62.5%; Pred. No. 1e+03;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
Db      994 CSHLGNNC 1001

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RESULT 15
US-09-562-702A-4
; Sequence 4, Application US/09562702A
; Patent No. 6632790
; GENERAL INFORMATION:
; APPLICANT: Yurchenco, Peter
; TITLE OF INVENTION: Laminin 2 and Methods for Its Use
; FILE REFERENCE: 99-274-B
; CURRENT APPLICATION NUMBER: US/09/562,702A
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/155,945
; PRIOR FILING DATE: 1999-09-24
; PRIOR APPLICATION NUMBER: 60/143,289
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/139,198

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; PRIOR FILING DATE: 1999-06-15
; PRIOR APPLICATION NUMBER: 60/131,720
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO: 4
; LENGTH: 3089
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-562-702A-4

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Query Match      68.6%; Score 35; DB 4; Length 3089;
Best Local Similarity 62.5%; Pred. No. 1e+03;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
Db      994 CSHLGNNC 1001

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Job time : 13.4878 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 25.3659 Seconds
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66.594 Million cell updates/sec

Title: US-09-910-582B-9

Perfect score: 51

Sequence: 1 CLHRGNSC 8

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database: Published Applications_AA:*

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17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	51	100.0	8	9	US-09-782-650-4
2	51	100.0	8	10	US-09-910-582B-9
3	39	76.5	631	15	US-10-374-780A-2472
4	36	70.6	51	11	US-09-864-408A-7734
5	36	70.6	99	14	US-10-280-631-4
6	36	70.6	224	10	US-09-866-050A-711
7	36	70.6	4599	16	US-10-464-368-69
8	36	70.6	4599	16	US-10-464-368-70
9	36	70.6	4636	9	US-09-835-996A-33
10	35.5	69.6	1225	14	US-10-233-553-20
11	35	68.6	555	14	US-10-029-386-29459
12	35	68.6	555	10	US-09-927-827-49
13	35	68.6	920	9	US-09-934-868-52
14	35	68.6	1354	9	US-09-808-571A-4
15	35	68.6	1447	9	US-09-808-571A-2

16	35	68.6	1905	14	US-10-270-333-9	Sequence 9, Appli
17	35	68.6	3070	10	US-09-961-403-7	Sequence 7, Appli
18	34	66.7	34	9	US-09-776-490-25	Sequence 25, Appl
19	34	66.7	34	9	US-09-776-491-25	Sequence 25, Appl
20	34	66.7	389	14	US-10-225-567A-538	Sequence 538, App
21	34	66.7	389	14	US-10-220-683-4	Sequence 4, Appl
22	33	64.7	26	11	US-09-984-429-159	Sequence 159, App
23	33	64.7	26	14	US-10-150-111-159	Sequence 159, App
24	33	64.7	28	9	US-09-864-761-39799	Sequence 39799, A
25	33	64.7	37	9	US-09-894-882-223	Sequence 223, App
26	33	64.7	37	9	US-09-894-882-387	Sequence 387, App
27	33	64.7	46	9	US-09-864-761-44167	Sequence 44167, A
28	33	64.7	73	9	US-09-894-882-222	Sequence 222, App
29	33	64.7	88	13	US-10-086-623-11	Sequence 11, Appl
30	33	64.7	88	14	US-10-260-539-11	Sequence 11, Appl
31	33	64.7	121	15	US-10-108-260A-4187	Sequence 4187, Ap
32	33	64.7	182	9	US-09-852-209A-16	Sequence 16, Appl
33	33	64.7	182	9	US-09-852-209A-17	Sequence 17, Appl
34	33	64.7	182	14	US-10-131-600-16	Sequence 16, Appl
35	33	64.7	182	14	US-10-131-600-17	Sequence 17, Appl
36	33	64.7	245	15	US-10-374-780A-2294	Sequence 2294, Ap
37	33	64.7	257	14	US-10-203-708-42	Sequence 42, Appl
38	33	64.7	303	11	US-09-876-813-57	Sequence 57, Appl
39	33	64.7	317	11	US-09-876-813-56	Sequence 56, Appl
40	33	64.7	318	9	US-09-852-209A-5	Sequence 5, Appli
41	33	64.7	318	14	US-10-131-600-5	Sequence 5, Appli
42	33	64.7	339	9	US-09-925-302-776	Sequence 776, App
43	33	64.7	345	9	US-09-823-033-2	Sequence 2, Appli
44	33	64.7	345	9	US-09-823-033-4	Sequence 4, Appli
45	33	64.7	345	9	US-09-818-943-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-782-650-4
Sequence 4, Application US/09782650
Patent No. US20020019350A1
GENERAL INFORMATION:
APPLICANT: Levine, Arnold J.
APPLICANT: Mitterer, Artur
APPLICANT: Falkner, Falko-Quenter
APPLICANT: Scheiflinger, Friedrich
APPLICANT: Dornier, Friedrich
APPLICANT: Edwards Lifesciences Corporation
TITLE OF INVENTION: Targeted Angiogenesis
FILE REFERENCE: 2055D-006611US
CURRENT APPLICATION NUMBER: US/09/782,650
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: US 09/324,079
PRIOR FILING DATE: 1999-06-01
PRIOR APPLICATION NUMBER: US 09/327,045
PRIOR FILING DATE: 1999-06-07
PRIOR APPLICATION NUMBER: PCT/US00/14988
PRIOR FILING DATE: 2000-05-31
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 8
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:targeting
US-09-782-650-4

Query Match 100.0%; Score 51; DB 9; Length 8;
Best Local Similarity 100.0%; Pred.No. 7.2e+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CLHRGNSC 8
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Db      1 CLHRGNSC 8

RESULT 2
US-09-910-582B-9
; Sequence 9, Application US/09910582B
; Publication No. US20030045476A1
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Mackenna, Deirdre A.
; TITLE OF INVENTION: Heart Homing Conjugates
; FILE REFERENCE: P-LJ 4857
; CURRENT APPLICATION NUMBER: US/09/910,582B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/326,718
; PRIOR FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-910-582B-9

Query Match      100.0%; Score 51; DB 10; Length 8;
Best Local Similarity 100.0%; Pred. No. 7.2e+05;
Matches      8; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

Qy      1 CLHRGNSC 8
Db      1 CLHRGNSC 8

RESULT 3
US-10-374-780A-2472
; Sequence 2472, Application US/10374780A
; Publication No. US2004001927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K.
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddie, James
; APPLICANT: Biron, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell III, Arnold T
; APPLICANT: Pineda, Omaira
; APPLICANT: Yu, Guo-liang
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
; FILE REFERENCE: MBF-0047 CIP
; CURRENT APPLICATION NUMBER: US/10/374,780A
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: 09/837,944
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/934,455
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/117,468
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 10/225,066
; PRIOR FILING DATE: 2002-08-09

; PRIOR APPLICATION NUMBER: 10/225,067
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,068
; PRIOR FILING DATE: 2002-08-09
; SOFTWARE: Patent version 3.2
; SEQ ID NO 2472
; LENGTH: 631
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G958
US-10-374-780A-2472

Query Match      76.5%; Score 39; DB 15; Length 631;
Best Local Similarity 85.7%; Pred. No. 1e+02;
Matches      6; Conservative      1; Mismatches      0; Indels      0; Gaps      0;

Qy      1 CLHRGNS 7
Db      547 CVHRGNS 553

RESULT 4
US-09-864-408A-7734
; Sequence 7734, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shinkets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1 Human Polynucleotides and Polypeptides En
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7734
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-864-408A-7734

Query Match      70.6%; Score 36; DB 11; Length 51;
Best Local Similarity 62.5%; Pred. No. 33;
Matches      5; Conservative      1; Mismatches      2; Indels      0; Gaps      0;

Qy      1 CLHRGNSC 8
Db      24 CVHRGFC 31

RESULT 5
US-10-280-631-4
; Sequence 4, Application US/10290631
; Publication No. US20030105303A1
; GENERAL INFORMATION:
; APPLICANT: Adema, Goeke Jan
; APPLICANT: Meynard, Linde
; APPLICANT: Gorman, Daniel M.
; APPLICANT: McClanahan, Terrill K.
; APPLICANT: Zurawski, Sandra M.
; APPLICANT: Zurawski, Gerard
; APPLICANT: Lanier, Lewis L.
; APPLICANT: Phillips Jr., Joseph H.
; TITLE OF INVENTION: Isolated Mammalian Monocyte Cell Genes,
; RELATED REAGENTS
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESSES:
; ADDRESSER: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
```

```
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/10/290,631
APPLICATION NUMBER: US/10/290,631
FILING DATE: 08-NOV-2003
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/985,950
FILING DATE: 05-DEC-1997
APPLICATION NUMBER: US 60/041,273
FILING DATE: 21-MARCH-1997
APPLICATION NUMBER: US 60/033,181
FILING DATE: 16-DEC-1996
APPLICATION NUMBER: US 60/032,252
FILING DATE: 06-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0670X
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1204
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 99 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-290-631-4

Query Match
Best Local Similarity 70.6%; Score 36; DB 14; Length 99;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CILRGNS 7
DB 12 CILRGNS 18

RESULT 6
US-09-866-050A-711
; Sequence 711, Application US/09866050A
; Publication No. US20030040471A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 711
; LENGTH: 224
; TYPE: PRT
; ORGANISM: Mouse
US-09-866-050A-711

Query Match
Best Local Similarity 70.6%; Score 36; DB 10; Length 224;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 CILRGNS 7
DB 25 CILRGNS 31

RESULT 7
US-10-464-368-69
; Sequence 69, Application US/10464368
; Publication No. US20040023356A1
; GENERAL INFORMATION:
; APPLICANT: Krumlauf, Robb
; APPLICANT: Ellices, Debra
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION
; FILE REFERENCE: 40716-IP-017
; CURRENT APPLICATION NUMBER: US/10/464,368
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/388,970
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 69
; LENGTH: 4599
; TYPE: PRT
; ORGANISM: MOUSE
US-10-464-368-69

Query Match
Best Local Similarity 70.6%; Score 36; DB 16; Length 4599;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CILRGNS 7
DB 2158 CILRGNS 2164

RESULT 8
US-10-464-368-70
; Sequence 70, Application US/10464368
; Publication No. US20040023356A1
; GENERAL INFORMATION:
; APPLICANT: Krumlauf, Robb
; APPLICANT: Ellices, Debra
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATING BONE DEPOSITION
; FILE REFERENCE: 40716-IP-017
; CURRENT APPLICATION NUMBER: US/10/464,368
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: 60/388,970
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 70
; LENGTH: 4599
; TYPE: PRT
; ORGANISM: MOUSE
US-10-464-368-70

Query Match
Best Local Similarity 70.6%; Score 36; DB 16; Length 4599;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CILRGNS 7
DB 2158 CILRGNS 2164

RESULT 9
US-09-835-996A-33
; Sequence 33, Application US/09835996A
; Patent No. US20020142953A1
; GENERAL INFORMATION:
; APPLICANT: Ballinger, Dennis
; APPLICANT: Loeb, Debra
```


APPLICANT: Montgomery, Julie
APPLICANT: Tang, Y. Tom
APPLICANT: Zhou, Ping
APPLICANT: Goodrich, Ryle
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhao, Qing
APPLICANT: Wehman, Tom
APPLICANT: Dmanac, Radoje
APPLICANT: Ren, Feiyan
APPLICANT: Qian, Xiahong
TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO LIPID METABOLISM
FILE REFERENCE: 2810/35915A
CURRENT APPLICATION NUMBER: US/09/835,996A
CURRENT FILING DATE: 2001-04-16
PRIOR APPLICATION NUMBER: US 60/197,137
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: US 09/714,936
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: US 09/667,298
PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: US 09/631,451
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 09/598,042
PRIOR FILING DATE: 2000-06-20
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn version 3.0
SEQ ID NO 33
LENGTH: 4636
TYPE: PRT
ORGANISM: Homo sapiens
US-09-835-996A-33

Query Match 70.6%; Score 36; DB 9; Length 4636;
Best Local Similarity 85.7%; Pred. No. 2.1e+03;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CLHNGNS 7
Db 2195 CLYRGNS 2201

RESULT 10
US-10-233-553-20
Sequence 20, Application US/10233553
Publication No. US20030125285A1
GENERAL INFORMATION:
APPLICANT: NIPPON SHINYAKU CO., LTD.
APPLICANT: HIRABAYASHI, Kazuko
APPLICANT: YANO, Junichi
TITLE OF INVENTION: Method of examining the efficacy of therapy with nucleic acid
FILE REFERENCE: B-345
CURRENT APPLICATION NUMBER: US/10/233,553
CURRENT FILING DATE: 2002-12-19
PRIOR APPLICATION NUMBER: JP 2001-267385
PRIOR FILING DATE: 2001-09-04
NUMBER OF SEQ ID NOS: 31
SEQ ID NO 20
LENGTH: 1225
TYPE: PRT
ORGANISM: Homo sapiens
US-10-233-553-20

Query Match 69.6%; Score 35.5; DB 14; Length 1225;
Best Local Similarity 66.7%; Pred. No. 7.4e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 1; Gaps 1;

QY 1 CLHR-GNSC 8
Db 621 CMHKGNSC 629

RESULT 11
US-10-029-386-29499
Sequence 29499, Application US/10029386
Publication No. US20030194704A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: AEOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Anhemax Sequence Listing Engine vers. 1.1
SEQ ID NO 29499
LENGTH: 57
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO CHR7.1
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 6.6
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 8.8
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 8.5
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 13
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 7.6
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 8.9
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 7.2
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 8.1
OTHER INFORMATION: SWISSPROT HIT: P45844, EVALU8 4.70e+00
US-10-029-386-29499

Query Match 68.6%; Score 35; DB 14; Length 57;
Best Local Similarity 62.5%; Pred. No. 54;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CLHNGNSC 8
Db 41 CLYRGSMC 48

RESULT 12
US-09-927-827-49
Sequence 49, Application US/09927827
Publication No. US20030036176A1
GENERAL INFORMATION:
APPLICANT: Bower, Stanley G.
APPLICANT: Rameier, Thomas M.
TITLE OF INVENTION: Directed Genetic Engineering of Xanthomonas campestris
FILE REFERENCE: 38-10(15824)B
CURRENT APPLICATION NUMBER: US/09/927,827
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: US 60/279,493
PRIOR FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 69
SEQ ID NO 49
LENGTH: 555
TYPE: PRT
ORGANISM: Xanthomonas campestris
US-09-927-827-49

Query Match 68.6%; Score 35; DB 10; Length 555;
Best Local Similarity 85.7%; Pred. No. 4.4e+02;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 LHRGNSC 8
Db 350 LHRGNSC 356

RESULT 13
US-09-934-868-52
Sequence 52, Application US/09934868

```

; Patent No. US20020137190A1
; GENERAL INFORMATION:
; APPLICANT: Kofias, Matheos
; APPLICANT: Odom, James M
; APPLICANT: Schenzle, Andreas J
; TITLE OF INVENTION: DENITRIFYING METHANOTROPHIC BACTERIAL STRAIN
; FILE REFERENCE: CL1596 US NA
; CURRENT APPLICATION NUMBER: US/09/934,868
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/229,858
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 52
; LENGTH: 920
; TYPE: PRT
; ORGANISM: Methylomonas 16a
; FEATURE:
; OTHER INFORMATION: Nasa
; US-09-934-868-52

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```

Query Match      68.6%; Score 35; DB 9; Length 920;
Best Local Similarity 62.5%; Pred. NO. 7e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
      |||||
Db      869 CLHAGTGC 876

```

```

RESULT 14
US-09-808-571A-4
; Sequence 4, Application US/09808571A
; Patent No. US20020106723A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Aktiengesellschaft
; TITLE OF INVENTION: Receptor for Iactrotoxin from insects
; FILE REFERENCE: Le A 34 402
; CURRENT APPLICATION NUMBER: US/09/808,571A
; CURRENT FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: DE 100 13 580.3
; PRIOR FILING DATE: 2000-03-18
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 1354
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; US-09-808-571A-4

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Query Match      68.6%; Score 35; DB 9; Length 1354;
Best Local Similarity 62.5%; Pred. NO. 9.9e+02;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
      |||||
Db      402 CLHNSSC 409

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RESULT 15
US-09-808-571A-2
; Sequence 2, Application US/09808571A
; Patent No. US20020106723A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Aktiengesellschaft
; TITLE OF INVENTION: Receptor for Iactrotoxin from insects
; FILE REFERENCE: Le A 34 402
; CURRENT APPLICATION NUMBER: US/09/808,571A
; CURRENT FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: DE 100 13 580.3
; PRIOR FILING DATE: 2000-03-18
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.1

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; SEQ ID NO 2
; LENGTH: 1447
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; US-09-808-571A-2

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Query Match      68.6%; Score 35; DB 9; Length 1447;
Best Local Similarity 62.5%; Pred. NO. 1.1e+03;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY      1 CLHRGNSC 8
      |||||
Db      403 CLHNSSC 410

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Search completed: March 1, 2004, 17:16:46
Job time : 26.3659 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Comugen Ltd.

OM protein - protein search, using sw model

Run on: March 1, 2004, 16:52:59 ; Search time 18.7317 Seconds
(Without alignments)
33.073 Million cell updates/sec

Title: US-09-910-582b-10
Perfect score: 74
Sequence: 1 CRWNKADNRSC 12

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database:

Issued Patents_AA:*
1: /cgn2_6/prodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/prodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/prodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/prodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/prodata/2/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/prodata/2/1aa/backfltest.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74	100.0	12	4	US-09-326-718-10
2	46	62.2	202	4	US-09-252-991A-27017
3	42	56.8	112	1	US-07-942-245-6
4	41	55.4	107	6	5242821-7
5	39	52.7	50	1	US-08-656-318A-2
6	39	52.7	50	2	US-08-956-459-2
7	39	52.7	50	4	US-09-077-948A-57
8	38	51.4	18	5	PCR-US94-01234-33
9	38	51.4	49	1	US-08-377-687-15
10	38	51.4	49	1	US-08-377-687-24
11	38	51.4	49	1	US-08-656-318A-7
12	38	51.4	49	2	US-08-777-192-15
13	38	51.4	49	2	US-08-777-192-24
14	38	51.4	49	2	US-08-956-459-7
15	38	51.4	49	3	US-08-971-982-15
16	38	51.4	49	3	US-08-971-982-24
17	38	51.4	140	4	US-09-252-991A-25759
18	38	51.4	558	4	US-09-199-637A-277
19	38	51.4	978	4	US-08-415-593-43
20	37	50.0	18	5	PCR-US94-01234-35
21	37	50.0	138	4	US-09-252-991A-25868
22	37	50.0	192	3	US-09-475-316A-25
23	37	50.0	192	3	US-09-475-316A-87
24	37	50.0	192	4	US-09-704-640-25
25	37	50.0	192	4	US-09-704-640-87
26	37	50.0	299	4	US-09-252-991A-24215
27	37	50.0	417	4	US-09-252-991A-24932

28	37	50.0	493	4	US-09-112-498A-2	Sequence 2, Appli
29	37	50.0	907	4	US-09-170-496D-264	Sequence 264, App
30	37	50.0	907	4	US-09-170-496D-278	Sequence 278, App
31	37	50.0	1182	4	US-09-287-354-6	Sequence 6, Appli
32	36.5	49.3	153	4	US-09-252-991A-30407	Sequence 30407, A
33	36.5	49.3	177	4	US-09-252-991A-28186	Sequence 28186, A
34	36	48.6	72	4	US-09-134-000C-65893	Sequence 65893, Ap
35	36	48.6	161	4	US-09-252-991A-16833	Sequence 16833, A
36	36	48.6	175	4	US-09-252-991A-30331	Sequence 30331, A
37	36	48.6	276	4	US-09-181-18128	Sequence 18128, A
38	36	48.6	405	4	US-09-252-991A-25946	Sequence 25946, A
39	36	48.6	420	4	US-09-328-352-7296	Sequence 7296, Ap
40	36	48.6	534	4	US-09-328-352-7296	Sequence 32979, A
41	36	48.6	589	4	US-09-252-991A-32979	Sequence 32979, A
42	36	48.6	1276	3	US-08-937-236-3	Sequence 3, Appli
43	36	48.6	1277	3	US-08-937-236-6	Sequence 6, Appli
44	36	48.6	1291	3	US-08-569-214-3	Sequence 3, Appli
45	36	48.6	1291	3	US-08-937-236-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-326-718-10
; Sequence 10, Application US/09326718
; Patent No. 6303573
; GENERAL INFORMATION:
; APPLICANT: Kuosiantti, Erkki
; APPLICANT: Mackenna, Deldre A.
; TITLE OF INVENTION: Heat Homing Peptides and Methods of
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: P-1/3 3512
; CURRENT APPLICATION NUMBER: US/09/326,718
; CURRENT FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE: Artificial Sequence
; OTHER INFORMATION: synthetic construct
US-09-326-718-10

Query Match 100.0%; Score 74; DB 4; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.4e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CRWNKADNRSC 12
DB 1 CRWNKADNRSC 12
RESULT 2
US-09-252-991A-27017
; Sequence 27017, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: 1998-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27017
; LENGTH: 202
; TYPE: PRT

ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27017

Query Match 62.2%; Score 46; DB 4; Length 202;
Best Local Similarity 58.3%; Pred. No. 6.7;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 CRSMNKADNESC 12
|||||:
Db 128 CRSMNKASSTAC 139

RESULT 3

US-07-942-245-6
Sequence 6, Application US/07942245
Patent No. 5639641

GENERAL INFORMATION:
APPLICANT: PEDERSEN, Jan T.
APPLICANT: SEARLE, Stephen M. J.
APPLICANT: REES, Anthony R.
APPLICANT: ROGUSKA, Michael A.
APPLICANT: GUILD, Brydon C.
TITLE OF INVENTION: SURFACE RESIDUE VENERING OF RODENT
NUMBER OF SEQUENCES: 522
TITLE OF INVENTION: ANTIBODIES
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrie, Mion, Zinn, Macpeak & Seas
STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: United States
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: HP 9000/700 Workstation
SOFTWARE: In house
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/942,245
FILING DATE: 09-SEP-1992
CLASSIFICATION: 530
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7660
TELEFAX: (202) 293-7860
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 112 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-07-942-245-6

Query Match 56.8%; Score 42; DB 1; Length 112;
Best Local Similarity 66.7%; Pred. No. 15;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 CRSMNKADN 9
|||||:
Db 89 CASWMSDN 97

RESULT 4

5242821-7
Patent No. 5242821

APPLICANT: PALVA, LIKKA, SIIMAKOV, MERVI
TITLE OF INVENTION: LACTOCOCCUS PROMOTER AND SIGNAL
SEQUENCES FOR EXPRESSION IN BACTERIA
NUMBER OF SEQUENCES: 27
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/377,450
FILING DATE: 10-JUL-1989
SEQ ID NO: 7;

LENGTH: 107
5242821-7

Query Match 55.4%; Score 41; DB 6; Length 107;
Best Local Similarity 70.0%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 RSMNKADNRS 11
|||||:
Db 86 RSMWDSNRS 95

RESULT 5

US-08-656-318A-2
Sequence 2, Application US/08656318A
Patent No. 5750504

GENERAL INFORMATION:
APPLICANT: BROEKERT, WILLEM F.
APPLICANT: CAMMUE, BRUNO P. A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN
ADDRESSEE: Intellectual Property Group of
ADDRESSEE: PILLSBURY MADISON & SUTRO LLP
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D. C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/656,318A
FILING DATE: 12-JUN-1996
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326424.0
FILING DATE: 24-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB94/02766
FILING DATE: 19-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: KOKUTIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 224199/SEE37925/UST
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3075
TELEFAX: (202) 822-0944
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Ab-AMPI
US-08-656-318A-2

Query Match 52.7%; Score 39; DB 1; Length 50;
Best Local Similarity 41.7%; Pred. No. 20;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSMNKADNESC 12
|||||:
Db 24 CQDEKASHGAC 35

RESULT 6
US-08-956-459-2
Sequence 2, Application US/08956459
Patent No. 5919918
GENERAL INFORMATION:
APPLICANT: BROEKAERT, WILLEM F.
APPLICANT: CAMMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: PILLSBURY MADISON & SUTRO LLP
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,459
FILING DATE: 22-OCT-1996
CLASSIFICATION: 800
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER: US 08/656,318
FILING DATE: 12-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB94/02766
FILING DATE: 19-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326424.0
FILING DATE: 24-DEC-1993
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 50 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Ah-AWPI
US-08-956-459-2
Query Match
Best Local Similarity 52.7%; Score 39; DB 2; Length 50;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 CRSMKADNRSC 12
DB 24 CODWEKASHGAC 35
RESULT 7
US-09-077-948A-57
Sequence 57, Application US/09077948A
Patent No. 6605698
GENERAL INFORMATION:
APPLICANT: Van Amerongen, Aart
APPLICANT: Rant, Franky
APPLICANT: Borremans, Frans
APPLICANT: De Samblaux, Genevieve
APPLICANT: Sijtsma, Lolke
APPLICANT: Meloen, Robert
APPLICANT: Puljk, Wouter
APPLICANT: Schaper, Wilhelmus
APPLICANT: Broekaert, Willem
APPLICANT: Van Gelder, Wilhelmus
APPLICANT: Rees, Sarah

TITLE OF INVENTION: Antifungal Proteins
FILE REFERENCE: 109846-257 (SYN-035)
CURRENT APPLICATION NUMBER: US/09/077,948A
CURRENT FILING DATE: 1998-08-07
PRIOR APPLICATION NUMBER: PCT/GB96/03068
PRIOR FILING DATE: 1996-12-12
PRIOR APPLICATION NUMBER: GB 9606552.9
PRIOR FILING DATE: 1996-03-28
PRIOR APPLICATION NUMBER: GB 9525455.3
PRIOR FILING DATE: 1995-12-13
NUMBER OF SEQ ID NOS: 141
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 57
TYPE: PRT
LENGTH: 50
ORGANISM: Aesculus hippocastanum
US-09-077-948A-57
Query Match
Best Local Similarity 52.7%; Score 39; DB 4; Length 50;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
QY 1 CRSMKADNRSC 12
DB 24 CODWEKASHGAC 35
RESULT 8
PCT-US94-01234-33
Sequence 33, Application PC/TUS9401234
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: METHODS FOR PRODUCING POLYPEPTIDE
TITLE OF INVENTION: BINDING SITES
NUMBER OF SEQUENCES: 76
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (BPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/01234
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/084,542
FILING DATE: 28-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/012,566
FILING DATE: 02-FEB-1993
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
PCT-US94-01234-33
Query Match
Best Local Similarity 51.4%; Score 38; DB 5; Length 18;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
QY 3 SMNKADNRSC 12
DB 4 SFGRADNRNC 13
RESULT 9
US-08-377-687-15
Sequence 15, Application US/08377687
Patent No. 5538525
GENERAL INFORMATION:
APPLICANT: BROEKAERT, WILLEM F.
APPLICANT: CAMMUE, BRUNO P.A.

APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
APPLICANT: TERRAS, FRANKY R.G.
APPLICANT: VANDERLEIDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DABRY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/377,687
FILING DATE:
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-377-687-15
Query Match 51.4%; Score 38; DB 1; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
Cy 1 CDSMNKADNRSC 12
Db 24 CRWESAKHGAC 35
RESULT 10
US-08-377-687-24
Sequence 24, Application US/08377687
Patent No. 5538525
GENERAL INFORMATION:
APPLICANT: BROEKART, WILLEM F.
APPLICANT: CAMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
APPLICANT: TERRAS, FRANKY R.G.
APPLICANT: VANDERLEIDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DABRY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/377,687
FILING DATE:
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-377-687-24
Query Match 51.4%; Score 38; DB 1; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
Cy 1 CDSMNKADNRSC 12
Db 24 CRWESAKHGAC 35
RESULT 11
US-08-656-318A-7
Sequence 7, Application US/08656318A
Patent No. 5750504
GENERAL INFORMATION:
APPLICANT: BROEKART, WILLEM F.
APPLICANT: CAMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DABRY & CUSHMAN
ADDRESSEE: Intellectual Property Group of
ADDRESSEE: PILLSBURY MADISON & SUTRO LLP
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/656,318A
FILING DATE: 12-JUN-1996
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326424.0
FILING DATE: 24-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB94/02766
FILING DATE: 19-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 224199/SEE37925/UST

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3075
TELEFAX: (202) 822-0944
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: CD-AMP1
US-08-656-318A-7

Query Match 51.4%; Score 38; DB 1; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CRSMKADNRSC 12
Db 24 CRWESAKHGAC 35

RESULT 12
US-08-777-192-15
Sequence 15, Application US/08777192
Patent No. 5824869
GENERAL INFORMATION:
APPLICANT: BROEKART, WILLEM F.
APPLICANT: CAMMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
APPLICANT: TERRAS, FRANKY R.G.
APPLICANT: VANDERLEYDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/777,192
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-777-192-15

Query Match 51.4%; Score 38; DB 2; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CRSMKADNRSC 12
Db 24 CRWESAKHGAC 35

RESULT 13
US-08-777-192-24
Sequence 24, Application US/08777192
Patent No. 5824869
GENERAL INFORMATION:
APPLICANT: BROEKART, WILLEM F.
APPLICANT: CAMMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.
APPLICANT: TERRAS, FRANKY R.G.
APPLICANT: VANDERLEYDEN, JOZEF
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/777,192
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE.36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-777-192-24

Query Match 51.4%; Score 38; DB 2; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CRSMKADNRSC 12
Db 24 CRWESAKHGAC 35

RESULT 14
US-08-956-459-7
Sequence 7, Application US/08956459
Patent No. 5919918
GENERAL INFORMATION:
APPLICANT: BROEKART, WILLEM F.
APPLICANT: CAMMUE, BRUNO P.A.
APPLICANT: OSBORN, RUPERT W.
APPLICANT: REES, SARAH B.

TITLE OF INVENTION: ANTIMICROBIAL PROTEINS
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESSES:
ADDRESSEE: PILLSBURY MADISON & SUTRO LLP
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,459
FILING DATE: 22-OCT-1996
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/656,318
FILING DATE: 12-JUN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB94/02766
FILING DATE: 19-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9326424.0
FILING DATE: 24-DEC-1993
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Cb-AMPI
US-08-956-459-7

Query Match 51.4%; Score 38; DB 2; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSMKADNRSC 12
||:|:|:|:
Db 24 CRWESAKHGAC 35

RESULT 15
US-08-971-982-15
Sequence 15, Application US/08971982
Patent No. 6187904
GENERAL INFORMATION:
APPLICANT: BROEKERT, WILLEM F.
CAMMUE, BRUNO F.A.
OSBORN, RUPERT W.
REES, SARAH B.
TERRAS, FRANKY R.G.
VANDERLEIJDEN, JOZEP
TITLE OF INVENTION: BIOCIDAL PROTEINS
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESSES:
ADDRESSEE: CUSHMAN DARRY & CUSHMAN
STREET: 1100 NEW YORK AVENUE, N.W.
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/971,982
FILING DATE: 17-NOV-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,480
FILING DATE: 04-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REFERENCE/DOCKET NUMBER: 99042/SEE 36525/US/A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-08-971-982-15

Query Match 51.4%; Score 38; DB 3; Length 49;
Best Local Similarity 41.7%; Pred. No. 28;
Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSMKADNRSC 12
||:|:|:|:
Db 24 CRWESAKHGAC 35

Search completed: March 1, 2004, 16:59:08
Job time: 19.7317 secs

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OM protein - protein search, using sw model

Run on: March 1, 2004, 16:57:09 ; Search time 38.0488 Seconds

(without alignments)
66.594 Million cell updates/sec

Title: US-09-910-582b-10

Perfect score: 74

Sequence: 1 CRSMKADNRSC 12

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74	100.0	12	9 US-09-782-650-5	Sequence 5, Appl1
2	74	100.0	12	10 US-09-910-582b-10	Sequence 10, Appl1
3	46	62.2	101	11 US-09-864-408A-3022	Sequence 3022, Ap
4	46	55.4	51	14 US-10-178-449A-35	Sequence 35, Appl
5	41	55.4	75	14 US-10-178-449A-37	Sequence 37, Appl
6	41	55.4	110	14 US-10-178-449A-8	Sequence 8, Appl1
7	41	55.4	110	14 US-10-178-449A-30	Sequence 30, Appl
8	41	55.4	170	14 US-10-101-464A-769	Sequence 769, Appl
9	41	55.4	236	14 US-10-002-631C-28	Sequence 28, Appl
10	41	55.4	262	14 US-10-080-170-459	Sequence 459, App
11	41	55.4	998	14 US-10-101-464A-931	Sequence 931, App
12	41	55.4	1063	14 US-10-017-161-1624	Sequence 1624, Ap
13	41	55.4	1063	15 US-10-293-798-1296	Sequence 1296, Ap
14	40	54.1	497	15 US-10-365-493-6945	Sequence 6945, Ap
15	39	52.7	49	14 US-10-178-449A-6	Sequence 6, Appl1

16	39	52.7	50	15	US-10-072-809A-45	Sequence 45, Appl
17	39	52.7	144	14	US-10-101-464A-789	Sequence 789, App
18	39	52.7	547	14	US-10-101-464A-928	Sequence 928, App
19	38	51.4	15	10	US-09-910-009A-445	Sequence 445, App
20	38	51.4	16	10	US-09-910-009A-415	Sequence 415, App
21	38	51.4	49	9	US-09-759-584-15	Sequence 15, Appl
22	38	51.4	49	9	US-09-759-584-24	Sequence 24, Appl
23	38	51.4	49	9	US-09-917-340-60	Sequence 60, Appl
24	38	51.4	49	15	US-10-072-809A-49	Sequence 49, Appl
25	38	51.4	70	10	US-09-910-009A-228	Sequence 228, App
26	38	51.4	71	10	US-09-910-009A-111	Sequence 111, App
27	38	51.4	245	14	US-09-864-761-33581	Sequence 33581, A
28	38	51.4	245	14	US-10-029-386-33385	Sequence 33385, A
29	38	51.4	526	15	US-10-152-448-6	Sequence 6, Appl1
30	38	51.4	527	15	US-10-369-493-5213	Sequence 5213, Ap
31	38	51.4	558	10	US-09-975-719-277	Sequence 277, App
32	37	50.0	165	13	US-10-001-054-44	Sequence 44, Appl
33	37	50.0	165	14	US-10-227-884-230	Sequence 230, App
34	37	50.0	165	14	US-10-230-163-230	Sequence 230, App
35	37	50.0	165	14	US-10-230-338-230	Sequence 230, App
36	37	50.0	165	14	US-10-218-631-230	Sequence 230, App
37	37	50.0	165	14	US-10-230-414-230	Sequence 230, App
38	37	50.0	165	14	US-10-216-159A-230	Sequence 230, App
39	37	50.0	165	14	US-10-218-849-230	Sequence 230, App
40	37	50.0	165	14	US-10-227-873-230	Sequence 230, App
41	37	50.0	165	14	US-10-227-883-230	Sequence 230, App
42	37	50.0	165	14	US-10-219-076-230	Sequence 230, App
43	37	50.0	165	14	US-10-230-434-230	Sequence 230, App
44	37	50.0	165	14	US-10-219-003-230	Sequence 230, App
45	37	50.0	165	14	US-10-219-075-230	Sequence 230, App

ALIGNMENTS

RESULT 1
US-09-782-650-5
Sequence 5, Appl1
Patent No. US20020019350A1
GENERAL INFORMATION:
APPLICANT: Levine, Arnold J.
APPLICANT: Mitterer, Arthur
APPLICANT: Falkner, Falko-Guenther
APPLICANT: Schefflinger, Friedrich
APPLICANT: Dornier, Friedrich
APPLICANT: Edwards Lifesciences Corporation
TITLE OF INVENTION: Targeted Angiogenesis
FILE REFERENCE: 20563D-000611US
CURRENT APPLICATION NUMBER: US/09/782,650
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: US 09/324,079
PRIOR FILING DATE: 1999-06-01
PRIOR APPLICATION NUMBER: US 09/327,045
PRIOR FILING DATE: 1999-06-07
PRIOR APPLICATION NUMBER: PCT/US00/14988
PRIOR FILING DATE: 2000-05-31
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 12
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: targeting
US-09-782-650-5

Query Match 100.0%; Score 74; DB 9; Length 12;
Best local Similarity 100.0%; Pred. No. 5.5e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 1 CRSMWKADNRSC 12

RESULT 2

US-09-910-582B-10
; Sequence 10, Application US/09910582B
; Publication No. US20030045476A1
; GENERAL INFORMATION:
; APPLICANT: Rucalanti, Erkki
; APPLICANT: Mackenna, Deidre A.
; TITLE OF INVENTION: Heart Homing Conjugates
; FILE REFERENCE: P-LJ 4857
; CURRENT APPLICATION NUMBER: US/09/910,582B
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/326,718
; PRIOR FILING DATE: 1999-06-07
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-910-582B-10

Query Match 100.0%; Score 74; DB 10; Length 12;
Best Local Similarity 100.0%; Pred. No. 5.5e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CRSMWKADNRSC 12
DB 1 CRSMWKADNRSC 12

RESULT 3

US-09-864-408A-3022
; Sequence 3022, Application US/09864408A
; Publication No. US20040009474A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Shinkets, Richard A.
; TITLE OF INVENTION: No. US20040009474A1 Human Polynucleotides and Polypeptides Encc
; FILE REFERENCE: 21402-012
; CURRENT APPLICATION NUMBER: US/09/864,408A
; CURRENT FILING DATE: 2001-05-24
; PRIOR APPLICATION NUMBER: 60/206,690
; PRIOR FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 9068
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3022
; LENGTH: 101
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-864-408A-3022

Query Match 63.2%; Score 46; DB 11; Length 101;
Best Local Similarity 63.6%; Pred. No. 7.6;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CRSMWKADNRSC 11
DB 23 CEANWKGSNRS 33

RESULT 4

US-10-178-449A-35
; Sequence 35, Application US/10178449A
; Publication No. US20030140368A1
; GENERAL INFORMATION:
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Herrmann, Rafael
; APPLICANT: Lu, Albert L.

APPLICANT: McCutchen, Billy Fred
; APPLICANT: Miao, Guo-Hua
; APPLICANT: Presnail, James K.
; APPLICANT: Rafalski, Jan antoni
; APPLICANT: Weng, Zude
; TITLE OF INVENTION: Plant Defensins
; FILE REFERENCE: 35718/249123
; CURRENT APPLICATION NUMBER: US/10/178,449A
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 10/030,516
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: PCT/US00/11952
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 60/133,039
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Picramnia pentandra
US-10-178-449A-35

Query Match 55.4%; Score 41; DB 14; Length 51;
Best Local Similarity 50.0%; Pred. No. 24;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSMWKADNRSC 12
DB 25 CRSMWKADNRSC 36

RESULT 5

US-10-178-449A-37
; Sequence 37, Application US/10178449A
; Publication No. US20030140368A1
; GENERAL INFORMATION:
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Herrmann, Rafael
; APPLICANT: Lu, Albert L.
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Miao, Guo-Hua
; APPLICANT: Presnail, James K.
; APPLICANT: Rafalski, Jan antoni
; APPLICANT: Weng, Zude
; TITLE OF INVENTION: Plant Defensins
; FILE REFERENCE: 35718/249123
; CURRENT APPLICATION NUMBER: US/10/178,449A
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 10/030,516
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: PCT/US00/11952
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 60/133,039
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic version of Picramnia pentandra mature
; OTHER INFORMATION: peptide with a barley alpha amylase signal peptide
US-10-178-449A-37

Query Match 55.4%; Score 41; DB 14; Length 75;
Best Local Similarity 50.0%; Pred. No. 34;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 CRSMWKADNRSC 12
DB 49 CRSMWKADNRSC 60

RESULT 6
US-10-178-449A-8

; Sequence 8, Application US/10178449A
; Publication No. US20030140368A1
; GENERAL INFORMATION:
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Hermann, Rafael
; APPLICANT: Lu, Albert L.
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Miao, Guo-Hua
; APPLICANT: Preshall, James K.
; APPLICANT: Rafalski, Jan Antoni
; APPLICANT: Weng, Zude
; TITLE OF INVENTION: Plant Defensins
; FILE REFERENCE: 35718/249123
; CURRENT APPLICATION NUMBER: US/10/178,449A
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 10/030,516
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: PCT/US00/11952
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 60/133,039
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Picramnia pentandra
US-10-178-449A-8

Query Match 55.4%; Score 41; DB 14; Length 110;
Best Local Similarity 50.0%; Pred. No. 48;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 CSWKNADNRSC 12
DB 84 CRSWEHAGHAC 95

RESULT 7
US-10-178-449A-30

; Sequence 30, Application US/10178449A
; Publication No. US20030140368A1
; GENERAL INFORMATION:
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Hermann, Rafael
; APPLICANT: Lu, Albert L.
; APPLICANT: McCutchen, Billy Fred
; APPLICANT: Miao, Guo-Hua
; APPLICANT: Preshall, James K.
; APPLICANT: Rafalski, Jan Antoni
; APPLICANT: Weng, Zude
; TITLE OF INVENTION: Plant Defensins
; FILE REFERENCE: 35718/249123
; CURRENT APPLICATION NUMBER: US/10/178,449A
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 10/030,516
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: PCT/US00/11952
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: US 60/133,039
; PRIOR FILING DATE: 1999-05-07
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 110
; TYPE: PRT
; ORGANISM: Picramnia pentandra
US-10-178-449A-30

Query Match 55.4%; Score 41; DB 14; Length 110;
Best Local Similarity 50.0%; Pred. No. 48;
Matches 6; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 1 CSWKNADNRSC 12
DB 84 CRSWEHAGHAC 95

RESULT 8
US-10-101-464A-769

; Sequence 769, Application US/10101464A
; Publication No. US20030046728A1
; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Nieuwenhuizen, Nicolaas
; APPLICANT: Higgins, Colleen M.
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; FILE REFERENCE: 11000.1020C2
; CURRENT APPLICATION NUMBER: US/10/101,464A
; CURRENT FILING DATE: 2002-03-18
; PRIOR APPLICATION NUMBER: 09/704,302
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 09/228,986
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/162,866
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: PCT/US00/00724
; PRIOR FILING DATE: 2000-01-11
; NUMBER OF SEQ ID NOS: 989
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 769
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-101-464A-769

Query Match 55.4%; Score 41; DB 14; Length 170;
Best Local Similarity 54.5%; Pred. No. 71;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 RSWKNADNRSC 12
DB 48 RWNWENDNSPC 58

RESULT 9
US-10-002-631C-28

; Sequence 28, Application US/10002631C
; Publication No. US20030157486A1
; GENERAL INFORMATION:
; APPLICANT: Graff, Jonathan M.
; APPLICANT: Muenster, Matthew
; TITLE OF INVENTION: METHODS TO IDENTIFY SIGNAL SEQUENCES
; FILE REFERENCE: A34943 090455.0243
; CURRENT APPLICATION NUMBER: US/10/002,631C
; CURRENT FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 60/300,309
; PRIOR FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 324
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 236
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (1)...(93)
; OTHER INFORMATION: Xaa = any amino acid
US-10-002-631C-28

Query Match 55.4%; Score 41; DB 14; Length 236;

Best Local Similarity 50.0%; Pred. No. 96;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 CRSMNKADNRSC 12
Db 65 CRXWDLORNRKC 76

RESULT 10

US-10-080-170-459
; Sequence 459, Application US/10080170
; Publication No. US20030129601A1
; GENERAL INFORMATION:
; APPLICANT: COLE, S.T.
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR
; FILE REFERENCE: 03495.0218
; CURRENT APPLICATION NUMBER: US/10/080,170
; PRIOR FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: 60/270,123
; NUMBER OF SEQ ID NOS: 652
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 459
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-10-080-170-459

Query Match 55.4%; Score 41; DB 14; Length 262;
Best Local Similarity 70.0%; Pred. No. 1,1e+02;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 2 RSMWKADNRBS 11
Db 7 RSMKRPDRS 16

RESULT 11

US-10-101-464A-931
; Sequence 931, Application US/10101464A
; Publication No. US20030046728A1
; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Nieuwenhuizen, Nicolaas
; APPLICANT: Higgins, Colleen M.
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signaling
; FILE REFERENCE: 11000.1020C2
; CURRENT APPLICATION NUMBER: US/10/101,464A
; CURRENT FILING DATE: 2002-03-18
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 09/704,302
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 09/228,986
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/162,866
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: PCT/US00/00724
; PRIOR FILING DATE: 2000-01-11
; NUMBER OF SEQ ID NOS: 989
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 931
; LENGTH: 998
; TYPE: PRT
; ORGANISM: Pinus radiata

FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1) -- (998)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-10-101-464A-931

Query Match 55.4%; Score 41; DB 14; Length 998;

Best Local Similarity 54.5%; Pred. No. 3,5e+02;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 2 RSMWKADNRSC 12
Db 48 RNMNENDNSPC 58

RESULT 12

US-10-017-161-1624
; Sequence 1624, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASHI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ASURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1624
; LENGTH: 1063
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-017-161-1624

Query Match 55.4%; Score 41; DB 14; Length 1063;
Best Local Similarity 50.0%; Pred. No. 3,8e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 CRSMNKADNRSC 12
Db 551 CLGMRGRKXSSC 562

RESULT 13

US-10-292-798-1296
; Sequence 1296, Application US/10292798
; Publication No. US20030235833A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ASURATANI, HIROYUKI
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 084335/166
; CURRENT APPLICATION NUMBER: US/10/292,798
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: 10/017,161
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1296
; LENGTH: 1063
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-292-798-1296

Query Match 55.4%; Score 41; DB 15; Length 1063;
Best Local Similarity 50.0%; Pred. No. 3,8e+02;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 CRSMNKADNRSC 12
Db 551 CLGMRGRKXSSC 562

RESULT 14

US-10-369-493-6945
 ; Sequence 6945, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Yongwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianfeng
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; FILE REFERENCE: 38-10(52052)B
 ; CURRENT APPLICATION NUMBER: US/10/369,493
 ; CURRENT FILING DATE: 2003-02-28
 ; PRIOR FILING DATE: 2002-02-21
 ; NUMBER OF SEQ ID NOS: 47374
 ; SEQ ID NO 6945
 ; LENGTH: 497
 ; TYPE: PRT
 ; ORGANISM: Caenorhabditis elegans
 ; US-10-369-493-6945

Query Match

Best Local Similarity 54.1%; Score 40; DB 15; Length 497;
 Best Local Similarity 61.5%; Pred. No. 2.7e+02;

Matches 8; Conservative 1; Mismatches 2; Indels 2; Gaps 1;

QY 2 RSWNR--ADNRSC 12

DB 247 RSWNRKENSSTNRSC 259

RESULT 15

US-10-178-449A-6
 ; Sequence 6, Application US/10178449A
 ; Publication No. US20030140368A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Famodu, Omolayo O.
 ; APPLICANT: Hermann, Rafael
 ; APPLICANT: Lu, Albert L.
 ; APPLICANT: McCutchen, Billy Fred
 ; APPLICANT: Miao, Guo-Hua
 ; APPLICANT: Presnail, James K.
 ; APPLICANT: Rafalski, Jan Antoni
 ; APPLICANT: Weng, Zude
 ; TITLE OF INVENTION: Plant Defensins
 ; FILE REFERENCE: 35718/249123
 ; CURRENT APPLICATION NUMBER: US/10/178,449A
 ; CURRENT FILING DATE: 2002-06-21
 ; PRIOR APPLICATION NUMBER: US 10/030,516
 ; PRIOR FILING DATE: 2000-05-03
 ; PRIOR APPLICATION NUMBER: PCT/US00/11952
 ; PRIOR FILING DATE: 2000-05-03
 ; PRIOR APPLICATION NUMBER: US 60/133,039
 ; PRIOR FILING DATE: 1999-05-07
 ; NUMBER OF SEQ ID NOS: 51
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 6
 ; LENGTH: 49
 ; TYPE: PRT
 ; ORGANISM: Picramnia pentandra
 ; FEATURE:
 ; NAME/KEY: VARIANT
 ; LOCATION: 8, 22, 32, 47
 ; OTHER INFORMATION: Xaa = Any Amino Acid
 ; US-10-178-449A-6

Query Match

Best Local Similarity 52.7%; Score 39; DB 14; Length 49;
 Best Local Similarity 41.7%; Pred. No. 47;
 Matches 5; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 CSWNRKADNRSC 12

DB 23 CSWNRKADNRSC 34

Search completed: March 1, 2004, 17:16:47
 Job time : 39.0488 secs